API Well Number: 43013519770000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
GMBU 104-5-9-17

2. TYPE OF WORK
DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
MONUMENT BUTTE

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME
GMBU (GRRV)

6. NAME OF OPERATOR
NEWFIELD PRODUCTION COMPANY

7. OPERATOR PHONE
435 646-4825

8. ADDRESS OF OPERATOR
Rt 3 Box 3630 , Myton, UT, 84052

9. OPERATOR E-MAIL
mcrozier@newfield.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
UTU-020252

11. MINERAL OWNERSHIP
FEDERAL ● INDIAN ○ STATE ○ FEE ○

12. SURFACE OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ● FEE ○

13. NAME OF SURFACE OWNER (if box 12 = 'fee')

14. SURFACE OWNER PHONE (if box 12 = 'fee')

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ○ (Submit Commingling Application) NO ●

19. SLANT
VERTICAL ○ DIRECTIONAL ● HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	483 FSL 663 FWL	SWSW	32	8.0 S	17.0 E	S
Top of Uppermost Producing Zone	122 FSL 660 FWL	SWSW	32	8.0 S	17.0 E	S
At Total Depth	182 FNL 660 FWL	NWNW	5	9.0 S	17.0 E	S

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
182

23. NUMBER OF ACRES IN DRILLING UNIT
10

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
842

26. PROPOSED DEPTH
MD: 6298 TVD: 6258

27. ELEVATION - GROUND LEVEL
5245

28. BOND NUMBER
WYB000493

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
437478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6298	15.5	J-55 LT&C	8.3	Premium Lite High Strength	297	3.43	11.0
							50/50 Poz	363	1.24	14.4

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

NAME Mandie Crozier | **TITLE** Regulatory Tech | **PHONE** 435 646-4825

SIGNATURE | **DATE** 01/21/2013 | **EMAIL** mcrozier@newfield.com

API NUMBER ASSIGNED
43013519770000

APPROVAL

Permit Manager

RECEIVED: March 04, 2013

NEWFIELD PRODUCTION COMPANY
GMBU 104-5-9-17
AT SURFACE: SW/SW SECTION 32, T8S R17E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1505'
Green River	1505'
Wasatch	6230'
Proposed TD	6298'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1505' – 6230'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO_3) (mg/l)
Dissolved Bicarbonate ($NaHCO_3$) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO_4) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

RECEIVED: January 21, 2013

4. *PROPOSED CASING PROGRAM*

a. Casing Design: GMBU 104-5-9-17

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,298'	15.5	J-55	LTC	4,810 2.40	4,040 2.02	217,000 2.22

Assumptions:
1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
2) Prod casing MASP (production mode) = Pore pressure – gas gradient
3) All collapse calculations assume fully evacuated casing w/ gas gradient
4) All tension calculations assume air weight

Frac gradient at surface casing shoe =	13.0 ppg
Pore pressure at surface casing shoe =	8.33 ppg
Pore pressure at prod casing shoe =	8.33 ppg
Gas gradient =	0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: GMBU 104-5-9-17

Job	Fill	Description	Sacks ft^3	OH Excess*	Weight (ppg)	Yield (ft^3/sk)
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,298'	Prem Lite II w/ 10% gel + 3% KCl	297 968	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

RECEIVED: January 21, 2013

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ±300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

RECEIVED: January 21, 2013

bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the second quarter of 2013, and take approximately seven (7) days from spud to rig release.

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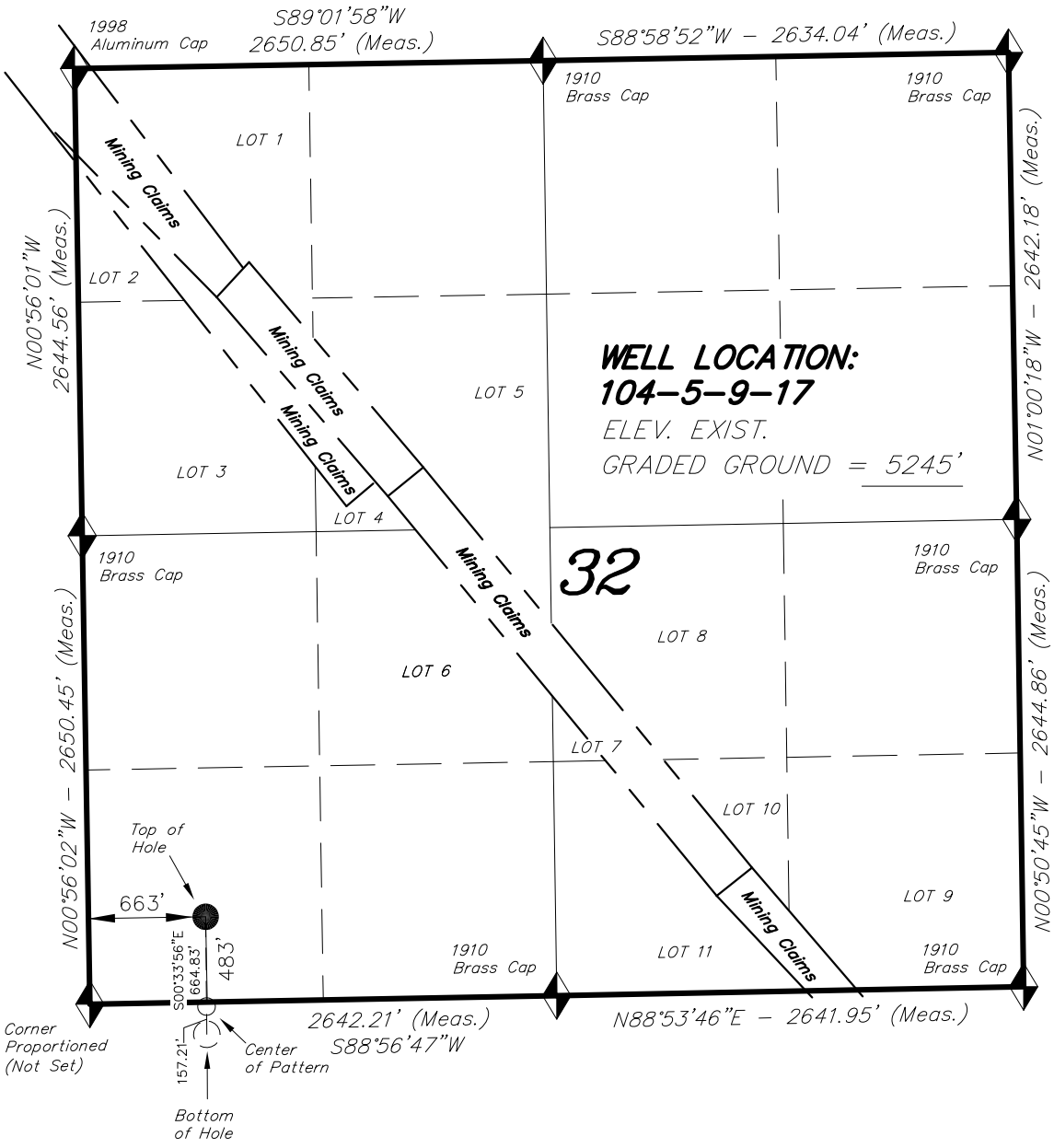
API Well Number: 43013519770000

T8S, R17E, S.L.B.&M.

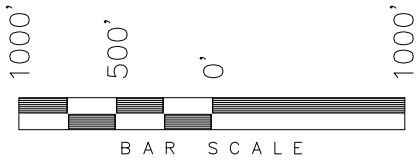


BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (SURFACE LOCATION)
LATITUDE = 40°04'06.47"
LONGITUDE = 110°02'14.95"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°04'06.60"
LONGITUDE = 110°02'12.42"

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 104-5-9-17, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 32, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern bears S00°33'56"E 507.62' from the Top of Hole.

◆ = SECTION CORNERS LOCATED

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
No.189377
11-06-12
STACY W.
STEWART
STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 11-05-12	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 11-06-12	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	

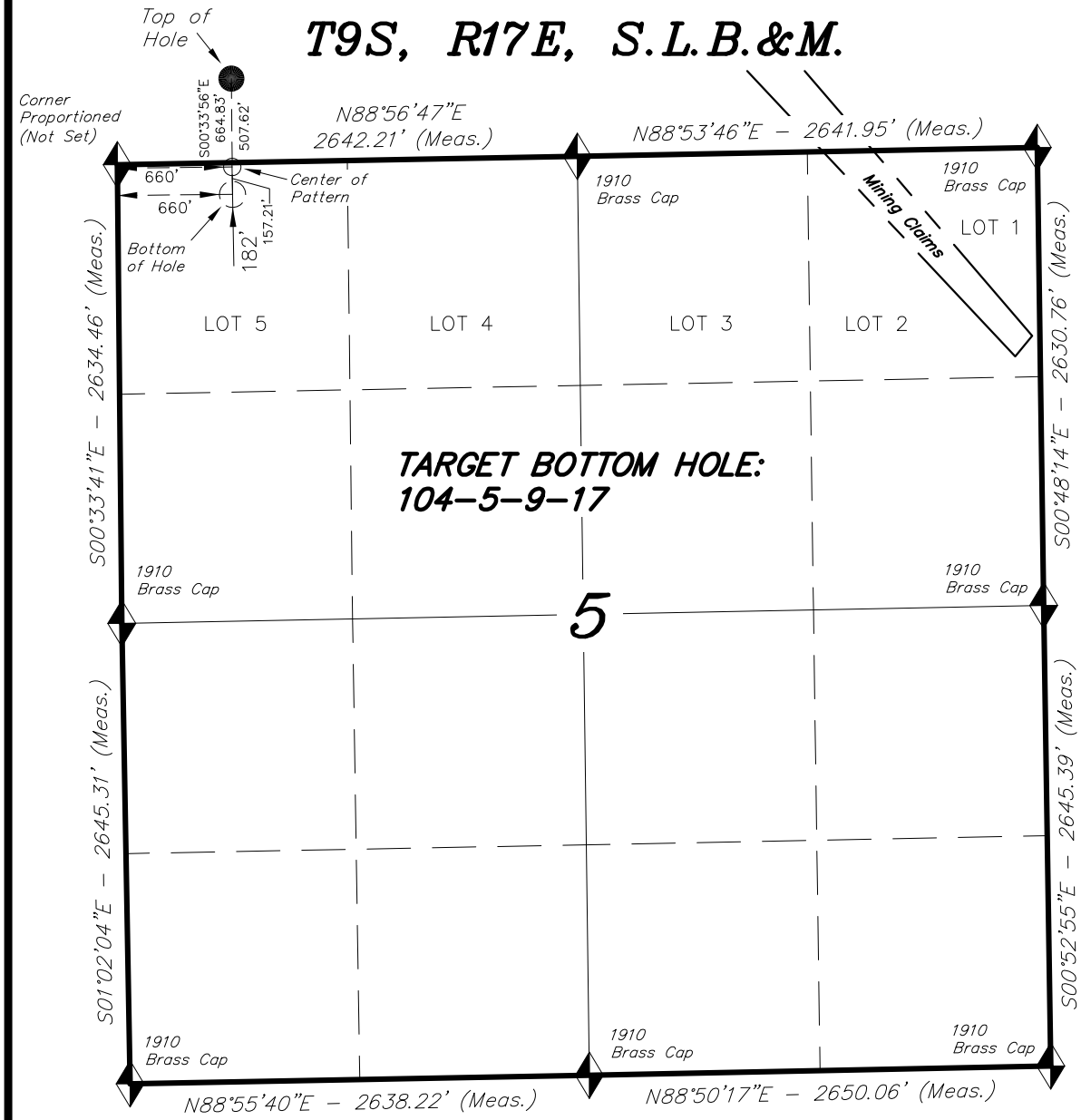
RECEIVED: January 21, 2013

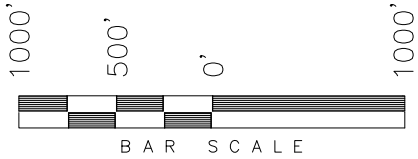
API Well Number: 43013519770000

T9S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

TARGET BOTTOM HOLE, 104-5-9-17,
LOCATED AS SHOWN IN THE NW 1/4
NW 1/4 (LOT 5) OF SECTION 5, T9S, R17E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



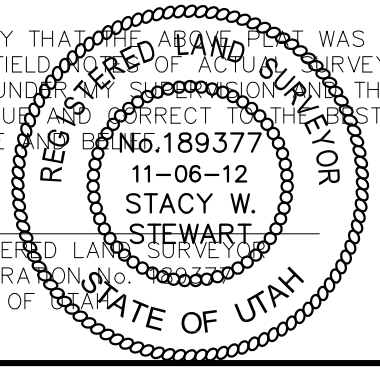


NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern footages are 25' FNL & 660' FWL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH



= SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

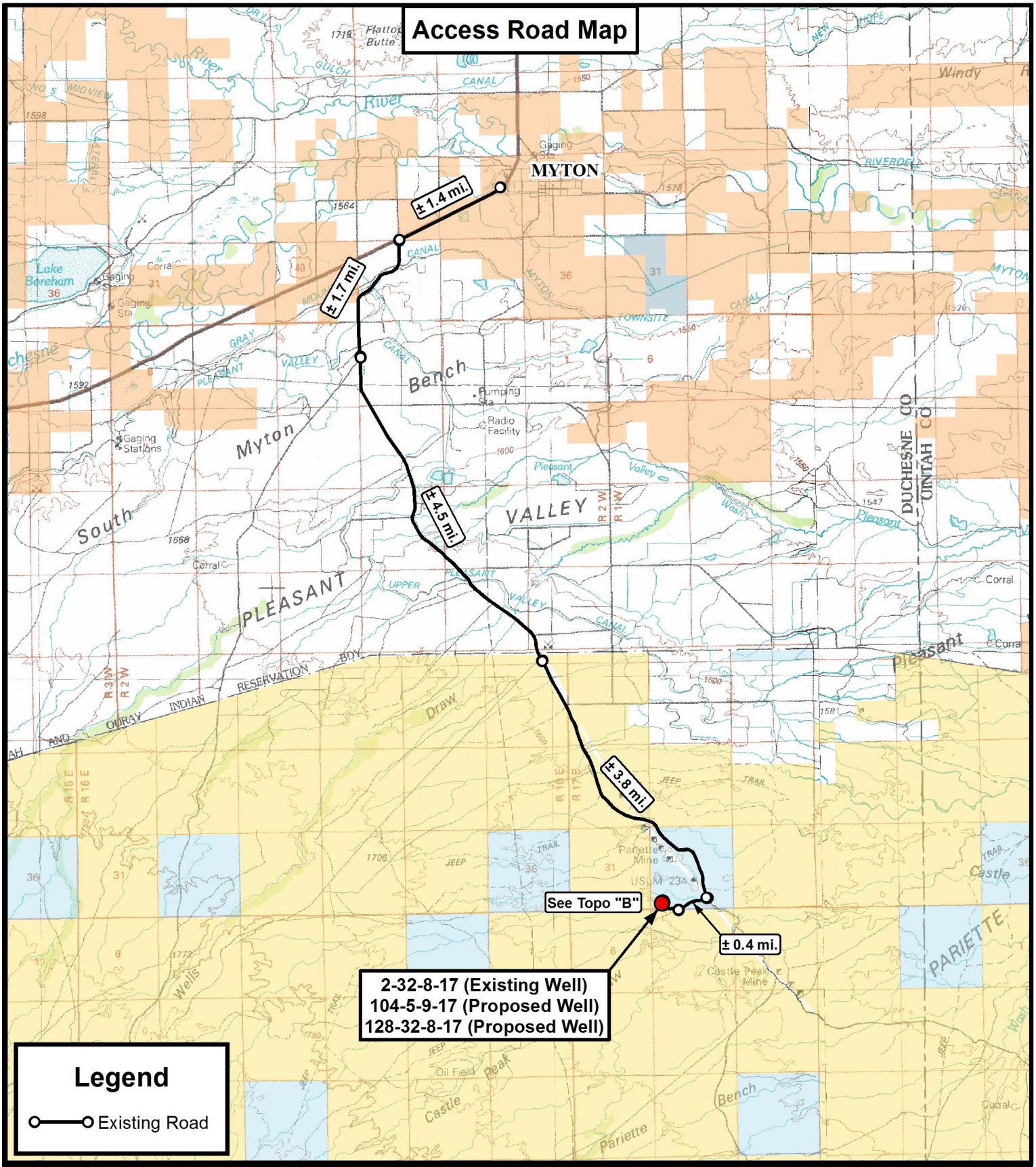
NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°04'59.90"
LONGITUDE = 110°02'15.01"
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°05'00.03"
LONGITUDE = 110°02'12.47"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 11-05-12	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 11-06-12	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	

RECEIVED: January 21, 2013

API Well Number: 43013519770000



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

2-32-8-17 (Existing Well)
104-5-9-17 (Proposed Well)
128-32-8-17 (Proposed Well)
SEC. 32, T8S, R17E, S.L.B.&M. Duchesne County, UT.

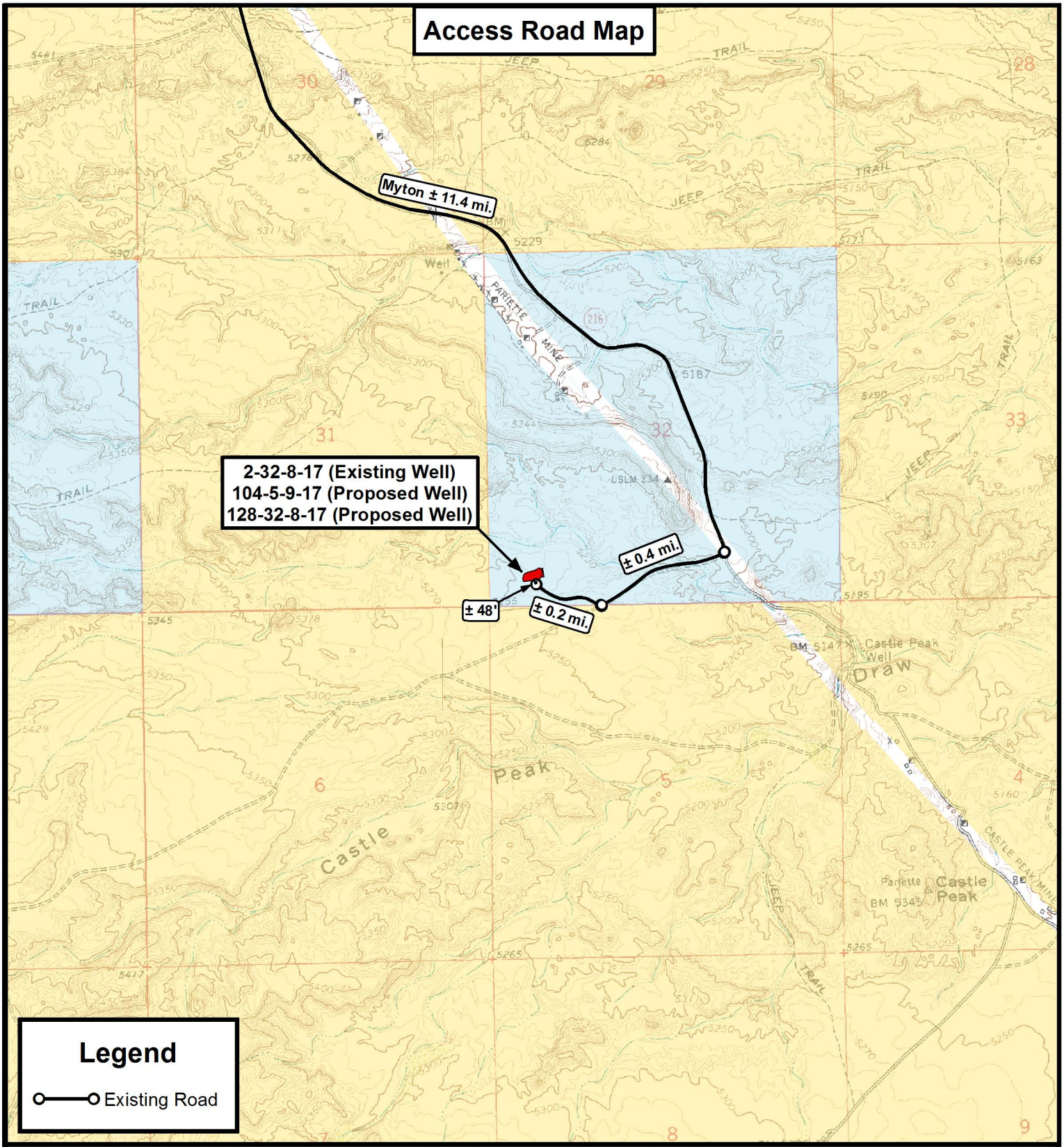
DRAWN BY:	D.C.R.	REVISED:	12-07-12 A.P.C.	VERSION:
DATE:	11-08-2012			V2
SCALE:	1:100,000			

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013519770000

Access Road Map



Legend

Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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180 NORTH VERNAL AVE. VERNAL, UTAH 84078
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N

NEWFIELD EXPLORATION COMPANY

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104-5-9-17 (Proposed Well)
128-32-8-17 (Proposed Well)
SEC. 32, T8S, R17E, S.L.B.&M. Duchesne County, UT.

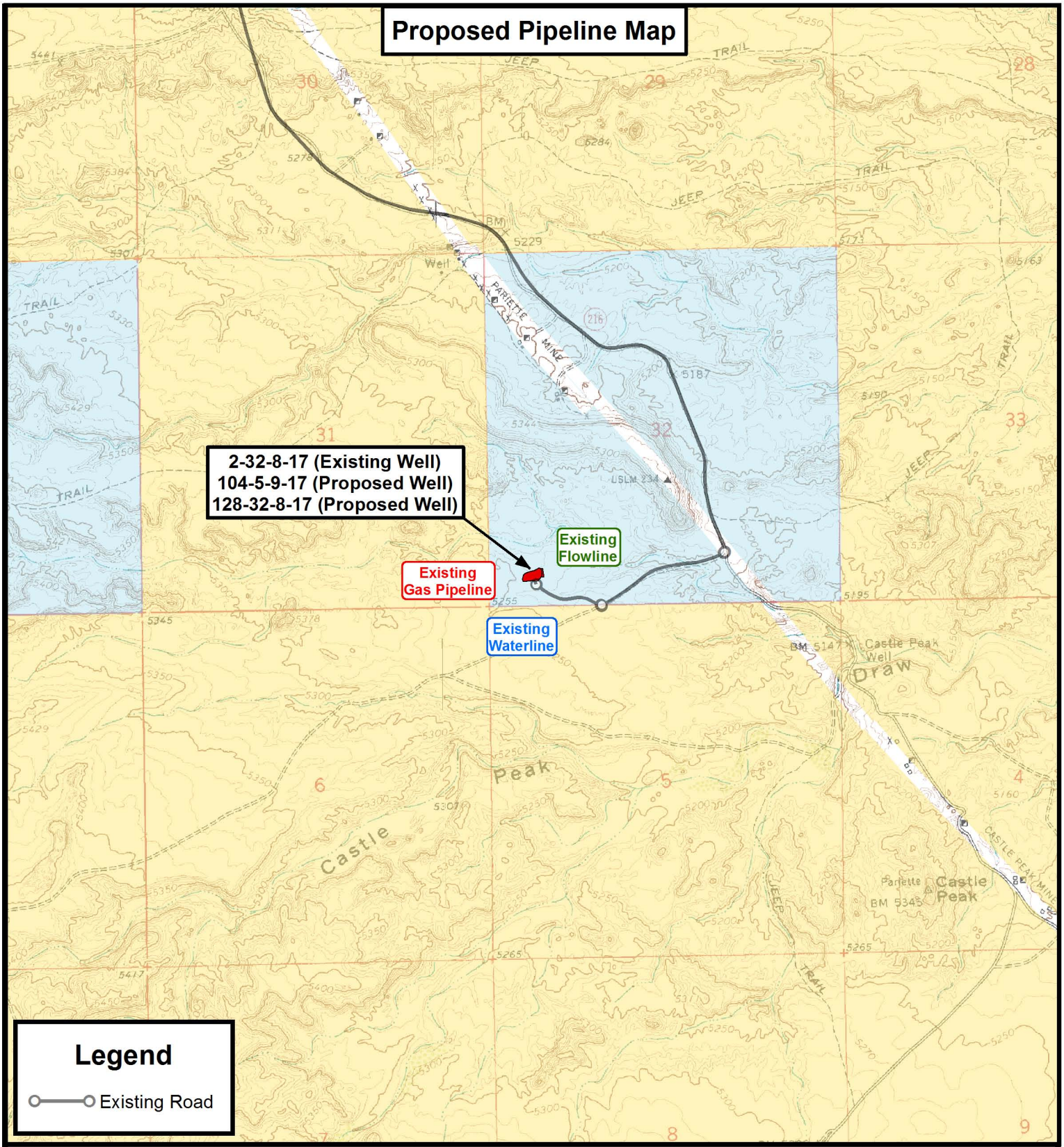
DRAWN BY:	D.C.R.	REVISED:	12-07-12 A.P.C.	VERSION:
DATE:	11-08-2012			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013519770000

Proposed Pipeline Map



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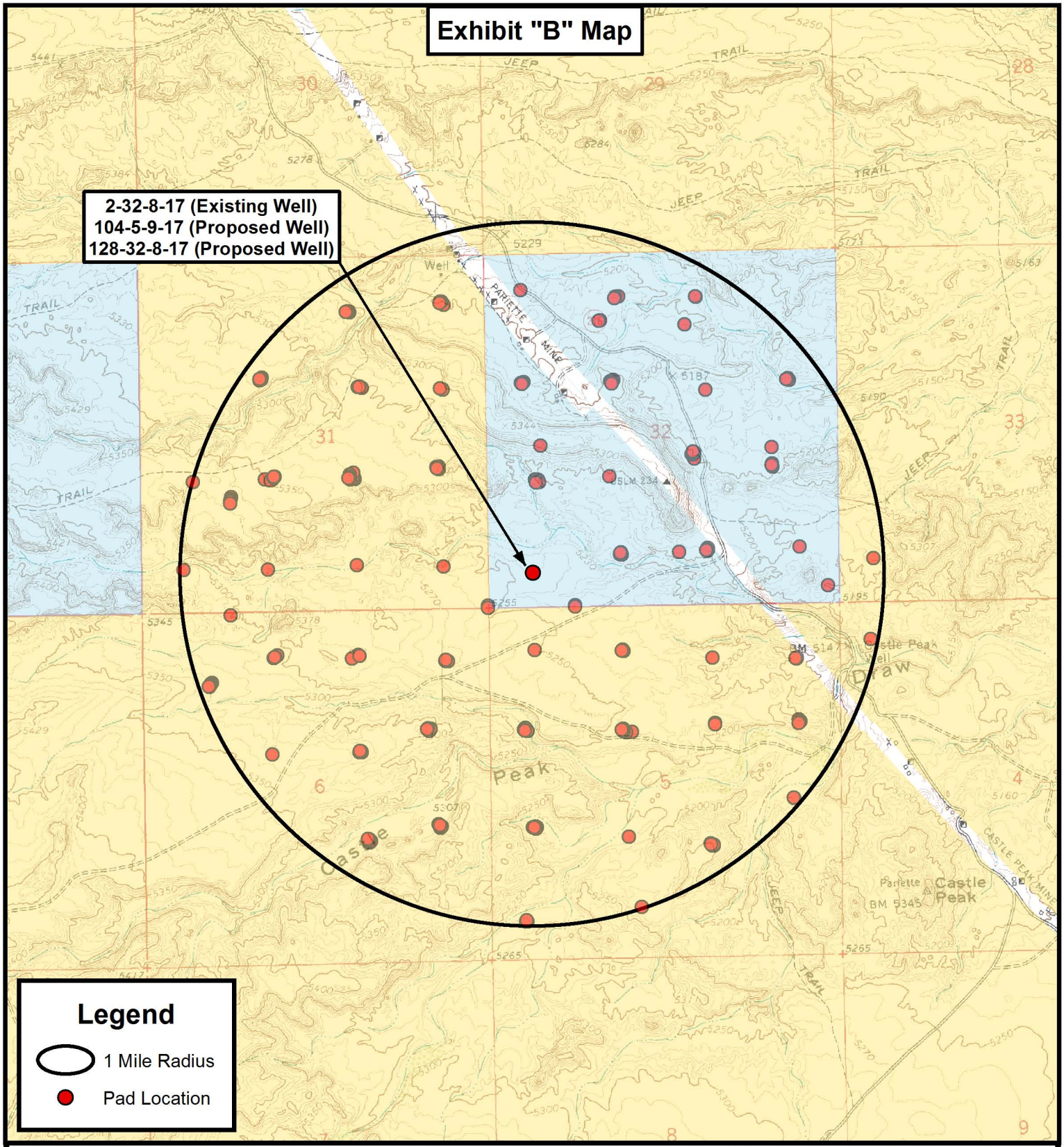
SEC. 32, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	12-07-12 A.P.C.	VERSION:
DATE:	11-08-2012			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013519770000



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SEC. 32, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	12-07-12 A.P.C.	VERSION:
DATE:	11-08-2012			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET D

API Well Number: 43013519770000

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 32 T8S, R17E
104-5-9-17

Wellbore #1

Plan: Design #1

Standard Planning Report

08 November, 2012

RECEIVED: January 21, 2013

NEWFIELD

Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 104-5-9-17
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	104-5-9-17 @ 5257.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	104-5-9-17 @ 5257.0ft (Original Well Elev)
Site:	SECTION 32 T8S, R17E	**North Reference:**	True
Well:	104-5-9-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site SECTION 32 T8S, R17E, SEC 32 T8S, R17E

Site Position:		**Northing:**	7,197,024.42 ft	**Latitude:**	40° 4' 6.630 N
From:	Lat/Long	**Easting:**	2,049,704.59 ft	**Longitude:**	110° 2' 14.800 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.94 °

Well 104-5-9-17, SHL LAT: 40 04 06.47 LONG: -110 02 14.95

Well Position	**+N/-S**	-16.2 ft	**Northing:**	7,197,008.03 ft	**Latitude:**	40° 4' 6.470 N
	+E/-W	-11.7 ft	**Easting:**	2,049,693.19 ft	**Longitude:**	110° 2' 14.950 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,257.0 ft	**Ground Level:**	5,245.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/8/2012	11.13	65.78	52,150

Design Design #1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	179.43

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,065.8	6.99	179.43	1,064.7	-28.4	0.3	1.50	1.50	0.00	179.43	
5,005.4	6.99	179.43	4,975.0	-507.6	5.0	0.00	0.00	0.00	0.00	104-5-9-17 TGT
6,298.0	6.99	179.43	6,258.0	-664.8	6.6	0.00	0.00	0.00	0.00	

RECEIVED: January 21, 2013

NEWFIELD

Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 104-5-9-17
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	104-5-9-17 @ 5257.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	104-5-9-17 @ 5257.0ft (Original Well Elev)
Site:	SECTION 32 T8S, R17E	**North Reference:**	True
Well:	104-5-9-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	179.43	700.0	-1.3	0.0	1.3	1.50	1.50	0.00
800.0	3.00	179.43	799.9	-5.2	0.1	5.2	1.50	1.50	0.00
900.0	4.50	179.43	899.7	-11.8	0.1	11.8	1.50	1.50	0.00
1,000.0	6.00	179.43	999.3	-20.9	0.2	20.9	1.50	1.50	0.00
1,065.8	6.99	179.43	1,064.7	-28.4	0.3	28.4	1.50	1.50	0.00
1,100.0	6.99	179.43	1,098.6	-32.5	0.3	32.5	0.00	0.00	0.00
1,200.0	6.99	179.43	1,197.8	-44.7	0.4	44.7	0.00	0.00	0.00
1,300.0	6.99	179.43	1,297.1	-56.9	0.6	56.9	0.00	0.00	0.00
1,400.0	6.99	179.43	1,396.4	-69.0	0.7	69.0	0.00	0.00	0.00
1,500.0	6.99	179.43	1,495.6	-81.2	0.8	81.2	0.00	0.00	0.00
1,600.0	6.99	179.43	1,594.9	-93.3	0.9	93.4	0.00	0.00	0.00
1,700.0	6.99	179.43	1,694.1	-105.5	1.0	105.5	0.00	0.00	0.00
1,800.0	6.99	179.43	1,793.4	-117.7	1.2	117.7	0.00	0.00	0.00
1,900.0	6.99	179.43	1,892.7	-129.8	1.3	129.8	0.00	0.00	0.00
2,000.0	6.99	179.43	1,991.9	-142.0	1.4	142.0	0.00	0.00	0.00
2,100.0	6.99	179.43	2,091.2	-154.2	1.5	154.2	0.00	0.00	0.00
2,200.0	6.99	179.43	2,190.4	-166.3	1.7	166.3	0.00	0.00	0.00
2,300.0	6.99	179.43	2,289.7	-178.5	1.8	178.5	0.00	0.00	0.00
2,400.0	6.99	179.43	2,388.9	-190.7	1.9	190.7	0.00	0.00	0.00
2,500.0	6.99	179.43	2,488.2	-202.8	2.0	202.8	0.00	0.00	0.00
2,600.0	6.99	179.43	2,587.5	-215.0	2.1	215.0	0.00	0.00	0.00
2,700.0	6.99	179.43	2,686.7	-227.2	2.3	227.2	0.00	0.00	0.00
2,800.0	6.99	179.43	2,786.0	-239.3	2.4	239.3	0.00	0.00	0.00
2,900.0	6.99	179.43	2,885.2	-251.5	2.5	251.5	0.00	0.00	0.00
3,000.0	6.99	179.43	2,984.5	-263.6	2.6	263.7	0.00	0.00	0.00
3,100.0	6.99	179.43	3,083.7	-275.8	2.7	275.8	0.00	0.00	0.00
3,200.0	6.99	179.43	3,183.0	-288.0	2.9	288.0	0.00	0.00	0.00
3,300.0	6.99	179.43	3,282.3	-300.1	3.0	300.2	0.00	0.00	0.00
3,400.0	6.99	179.43	3,381.5	-312.3	3.1	312.3	0.00	0.00	0.00
3,500.0	6.99	179.43	3,480.8	-324.5	3.2	324.5	0.00	0.00	0.00
3,600.0	6.99	179.43	3,580.0	-336.6	3.3	336.7	0.00	0.00	0.00
3,700.0	6.99	179.43	3,679.3	-348.8	3.5	348.8	0.00	0.00	0.00
3,800.0	6.99	179.43	3,778.5	-361.0	3.6	361.0	0.00	0.00	0.00
3,900.0	6.99	179.43	3,877.8	-373.1	3.7	373.1	0.00	0.00	0.00
4,000.0	6.99	179.43	3,977.1	-385.3	3.8	385.3	0.00	0.00	0.00
4,100.0	6.99	179.43	4,076.3	-397.5	4.0	397.5	0.00	0.00	0.00
4,200.0	6.99	179.43	4,175.6	-409.6	4.1	409.6	0.00	0.00	0.00
4,300.0	6.99	179.43	4,274.8	-421.8	4.2	421.8	0.00	0.00	0.00
4,400.0	6.99	179.43	4,374.1	-434.0	4.3	434.0	0.00	0.00	0.00
4,500.0	6.99	179.43	4,473.3	-446.1	4.4	446.1	0.00	0.00	0.00
4,600.0	6.99	179.43	4,572.6	-458.3	4.6	458.3	0.00	0.00	0.00
4,700.0	6.99	179.43	4,671.9	-470.4	4.7	470.5	0.00	0.00	0.00
4,800.0	6.99	179.43	4,771.1	-482.6	4.8	482.6	0.00	0.00	0.00
4,900.0	6.99	179.43	4,870.4	-494.8	4.9	494.8	0.00	0.00	0.00
5,005.4	6.99	179.43	4,975.0	-507.6	5.0	507.6	0.00	0.00	0.00
5,100.0	6.99	179.43	5,068.9	-519.1	5.2	519.1	0.00	0.00	0.00
5,200.0	6.99	179.43	5,168.1	-531.3	5.3	531.3	0.00	0.00	0.00

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NEWFIELD

Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 104-5-9-17
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	104-5-9-17 @ 5257.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	104-5-9-17 @ 5257.0ft (Original Well Elev)
Site:	SECTION 32 T8S, R17E	**North Reference:**	True
Well:	104-5-9-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	6.99	179.43	5,267.4	-543.4	5.4	543.5	0.00	0.00	0.00
5,400.0	6.99	179.43	5,366.7	-555.6	5.5	555.6	0.00	0.00	0.00
5,500.0	6.99	179.43	5,465.9	-567.8	5.6	567.8	0.00	0.00	0.00
5,600.0	6.99	179.43	5,565.2	-579.9	5.8	580.0	0.00	0.00	0.00
5,700.0	6.99	179.43	5,664.4	-592.1	5.9	592.1	0.00	0.00	0.00
5,800.0	6.99	179.43	5,763.7	-604.3	6.0	604.3	0.00	0.00	0.00
5,900.0	6.99	179.43	5,862.9	-616.4	6.1	616.4	0.00	0.00	0.00
6,000.0	6.99	179.43	5,962.2	-628.6	6.3	628.6	0.00	0.00	0.00
6,100.0	6.99	179.43	6,061.5	-640.7	6.4	640.8	0.00	0.00	0.00
6,200.0	6.99	179.43	6,160.7	-652.9	6.5	652.9	0.00	0.00	0.00
6,298.0	6.99	179.43	6,258.0	-664.8	6.6	664.9	0.00	0.00	0.00

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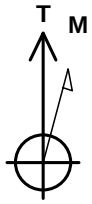
API Well Number: 43013519770000

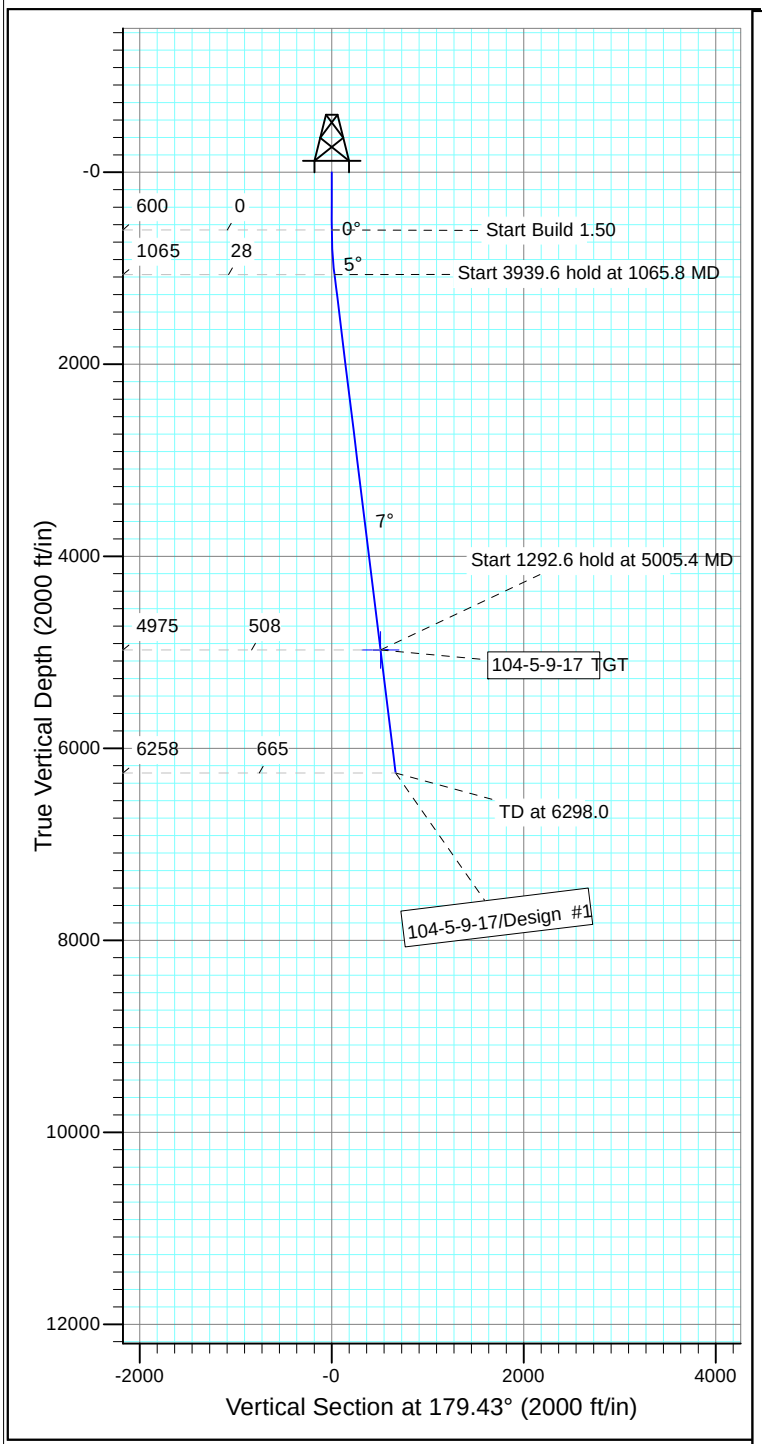
NEWFIELD

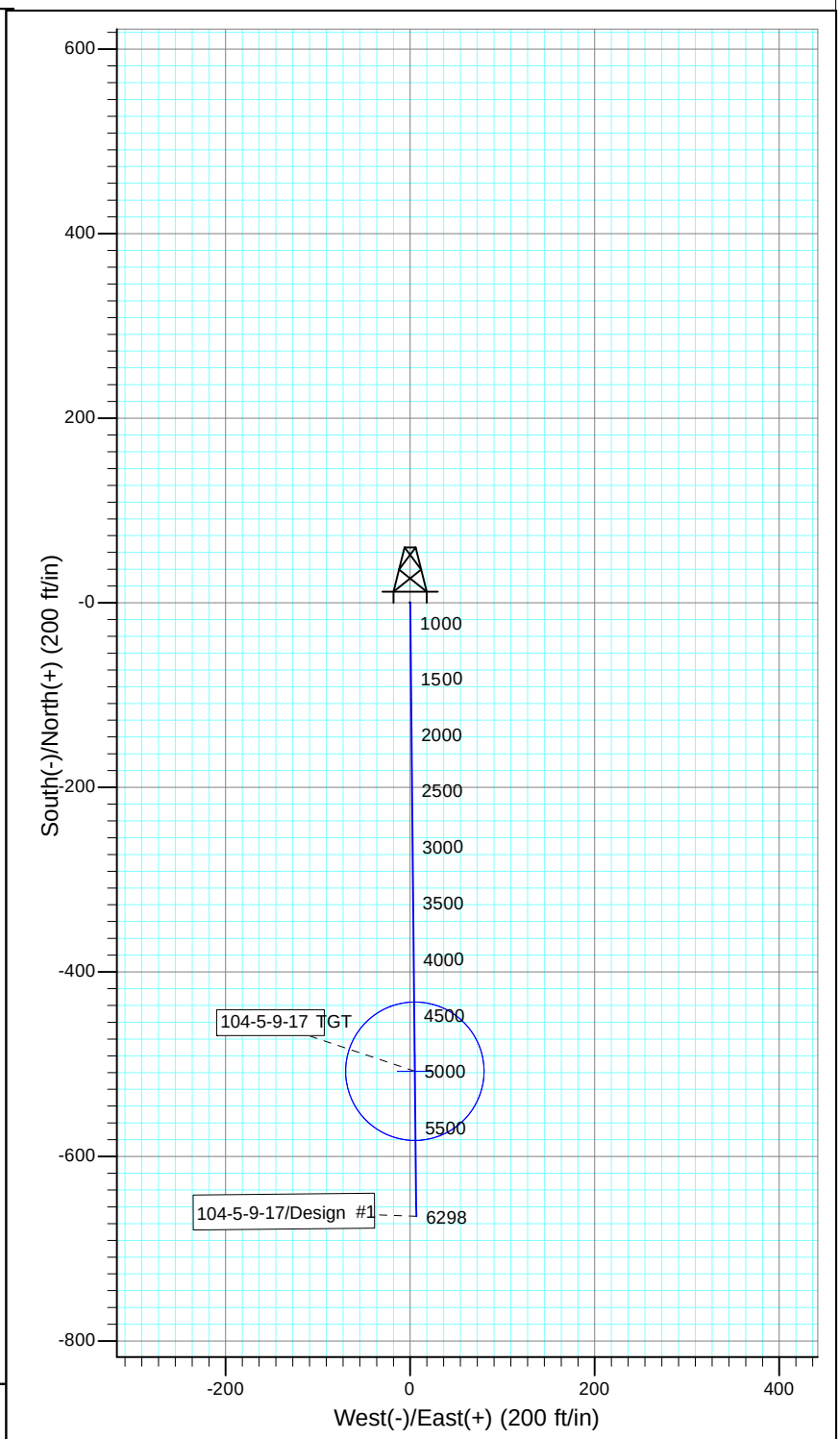
Project: USGS Myton SW (UT)
Site: SECTION 32 T8S, R17E
Well: 104-5-9-17
Wellbore: Wellbore #1
Design: Design #1



Azimuths to True North
Magnetic North: 11.13°

Magnetic Field
Strength: 52150.4snT
Dip Angle: 65.78°
Date: 11/8/2012
Model: IGRF2010





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
104-5-9-17 TGT	4975.0	-507.6	5.0	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1065.8	6.99	179.43	1064.7	-28.4	0.3	1.50	179.43	28.4	
4	5005.4	6.99	179.43	4975.0	-507.6	5.0	0.00	0.00	507.6	104-5-9-17 TGT
5	6298.0	6.99	179.43	6258.0	-664.8	6.6	0.00	0.00	664.9	

PAYZONE

NEWFIELD PRODUCTION COMPANY
GMBU 104-5-9-17
AT SURFACE: SW/SW SECTION 32, T8S R17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU 104-5-9-17 located in the SW 1/4 SW 1/4 Section 32, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 10.0 miles ± to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 0.4 miles ± to it's junction with an existing road to the northwest; proceed in a northwesterly direction – 0.2 miles ± to it's junction with the beginning of the access road to the existing 2-32-8-17 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 2-32-8-17 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

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Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-7478

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A 16 mil liner with felt is required. Please refer to the Greater Monument Butte Green River Development SOP.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

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Fencing Requirements

a) All pits will be fenced or have panels installed consistent with the following minimum standards:

1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times

3. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE**:

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. ***SURFACE OWNERSHIP*** – State of Utah.

12. ***OTHER ADDITIONAL INFORMATION***

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit # U-08-MQ-0236s 4/22/08, prepared by Montgomery Archaeological Consultants. . Paleontological Resource Survey prepared by, Wade Miller, 10/10/12. See attached report cover pages, Exhibit “D”.

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

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Additional Surface Stipulations
All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Details of the On-Site Inspection
The proposed GMBU 104-5-9-17 was on-sited on 12/20/12. The following were present; Corie Miller (Newfield Production), Mandie Crozier (Newfield Production), and Sheri Wysong (Bureau of Land Management).

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU 104-5-9-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU 104-5-9-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name: Corie Miller
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #104-5-9-17, Section 32, Township 8S, Range 17E: Lease UTU-020252 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

mcrozier@newfield.com
Digitally signed by mcrozier@newfield.com
DN: cn=mcrozier@newfield.com
Date: 2013.01.21 13:06:37 -07'00'

1/18/13
Date

Mandie Crozier
Regulatory Analyst
Newfield Production Company

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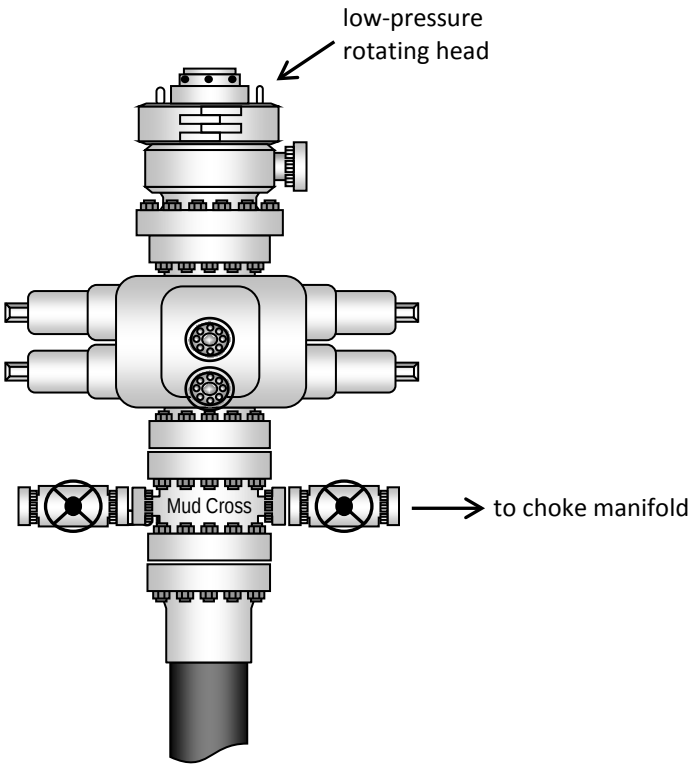
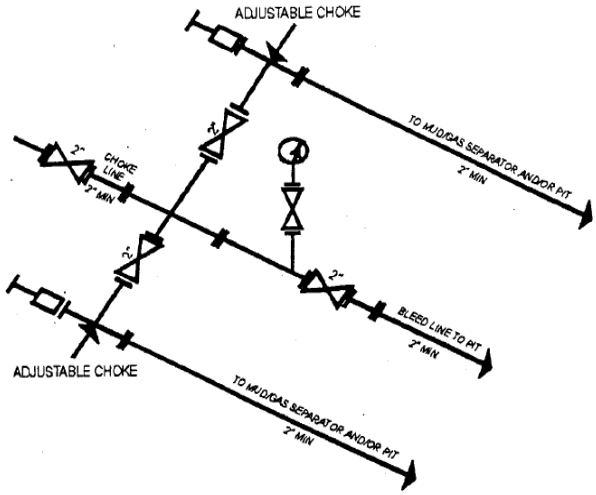
Typical 2M BOP stack configuration





2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

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API Well Number: 43013519770000

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

2-32-8-17 (Existing Well)
104-5-9-17 (Proposed Well)
128-32-8-17 (Proposed Well)

Pad Location: SWSW Section 32, T8S, R17E, S.L.B.&M.

TOP HOLE FOOTAGES

104-5-9-17 (PROPOSED)
483' FSL & 663' FWL

128-32-8-17 (PROPOSED
466' FSL & 651' FWL

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
2-32-8-17	40° 04' 06.80"	110° 02' 14.64"
P-32-8-17	40° 04' 06.63"	110° 02' 14.80"
104-5-9-17	40° 04' 06.47"	110° 02' 14.95"
128-32-8-17	40° 04' 06.30"	110° 02' 15.11"

LATITUDE & LONGITUDE
Center of Pattern (NAD 83)

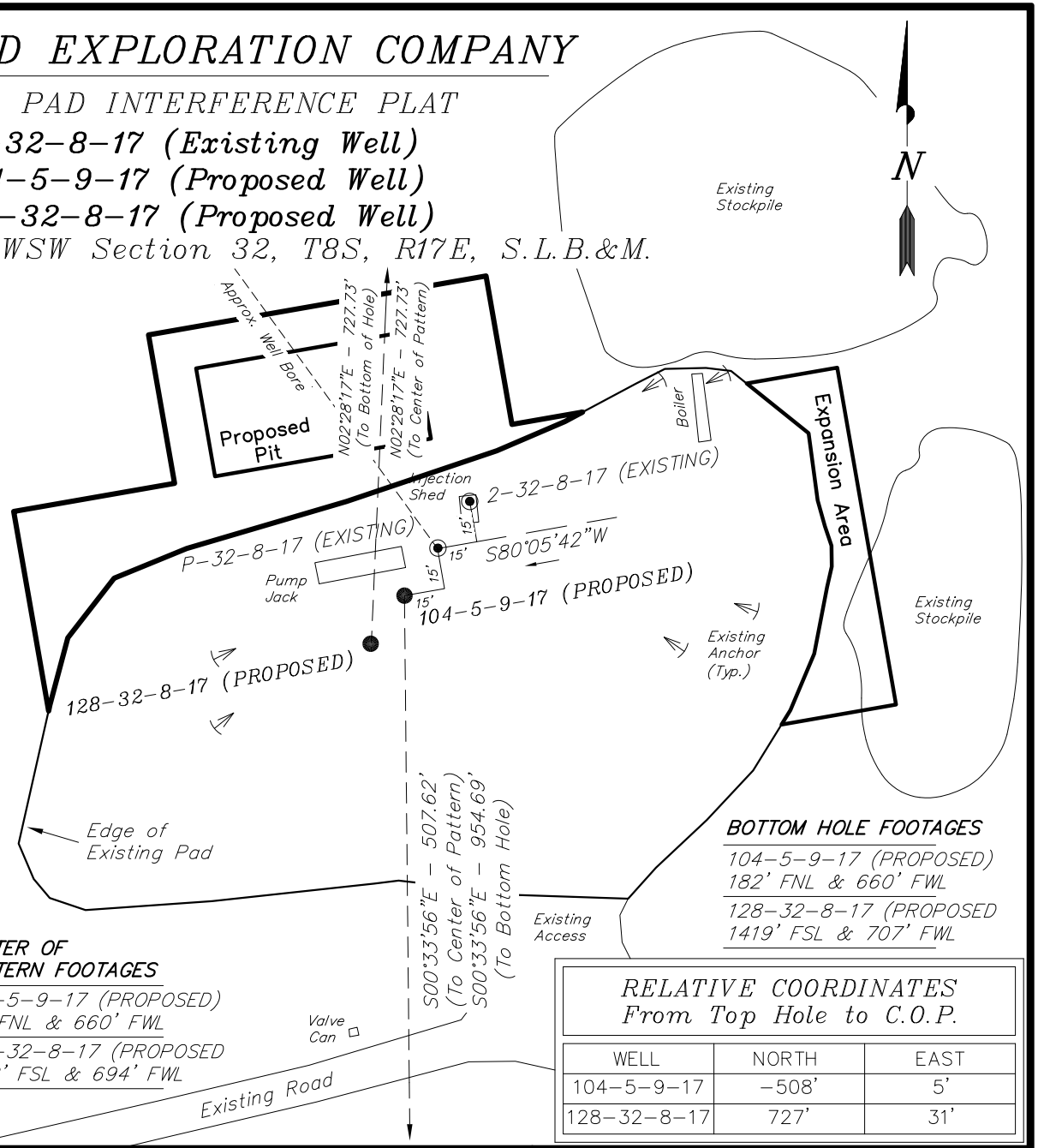
WELL	LATITUDE	LONGITUDE
104-5-9-17	40° 04' 01.45"	110° 02' 15.00"
128-32-8-17	40° 04' 13.48"	110° 02' 14.56"

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
104-5-9-17	40° 03' 59.90"	110° 02' 15.01"
128-32-8-17	40° 04' 15.71"	110° 02' 14.38"

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
104-5-9-17	-665'	7'
128-32-8-17	954'	41'



CENTER OF PATTERN FOOTAGES

104-5-9-17 (PROPOSED)
25' FNL & 660' FWL

128-32-8-17 (PROPOSED
1192' FSL & 694' FWL

BOTTOM HOLE FOOTAGES

104-5-9-17 (PROPOSED)
182' FNL & 660' FWL

128-32-8-17 (PROPOSED
1419' FSL & 707' FWL

RELATIVE COORDINATES
From Top Hole to C.O.P.

WELL	NORTH	EAST
104-5-9-17	-508'	5'
128-32-8-17	727'	31'

Note:
Bearings are based on GPS Observations.

SURVEYED BY: Q.M.	DATE SURVEYED: 11-05-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 11-06-12	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 12-07-12		

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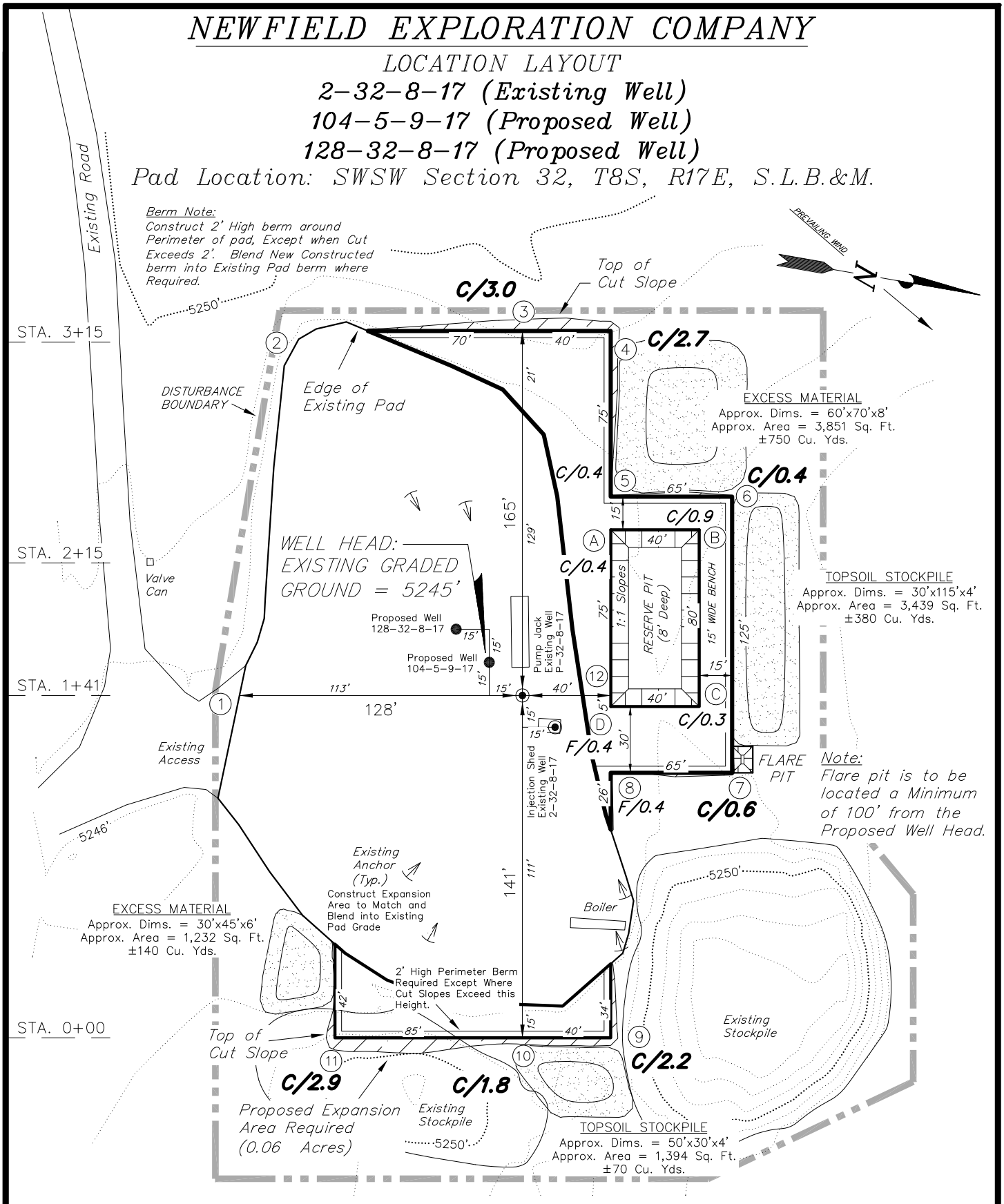
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

2-32-8-17 (Existing Well)
104-5-9-17 (Proposed Well)
128-32-8-17 (Proposed Well)

Pad Location: SWSW Section 32, T8S, R17E, S.L.B.&M.



NOTE:
The topsoil & excess material areas are calculated as being mounds containing 1,340 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

Note:
Topsoil to be Stripped From All New Construction Areas and Proposed Stockpile Locations

SURVEYED BY: Q.M.	DATE SURVEYED: 11-05-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 11-06-12	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 12-07-12		

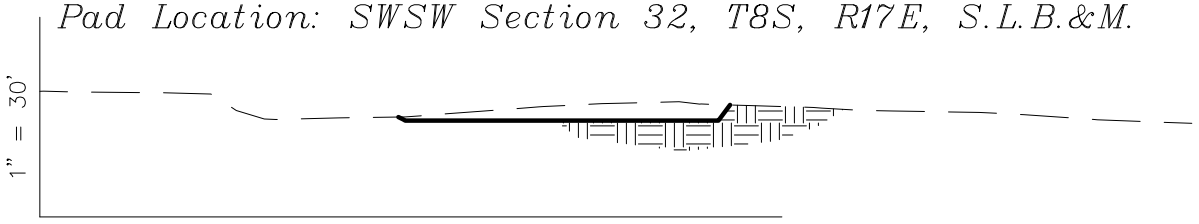
RECEIVED: January 21, 2013

NEWFIELD EXPLORATION COMPANY

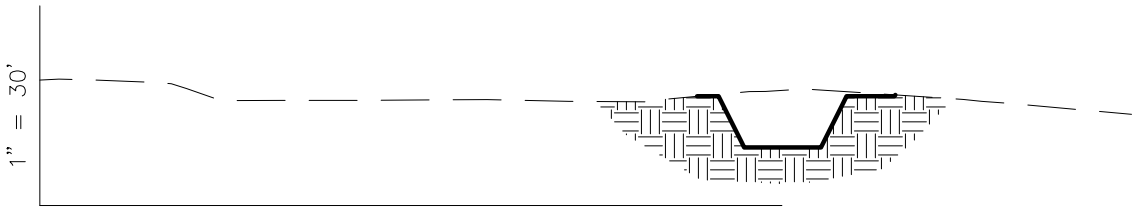
CROSS SECTIONS

2-32-8-17 (Existing Well)
104-5-9-17 (Proposed Well)
128-32-8-17 (Proposed Well)

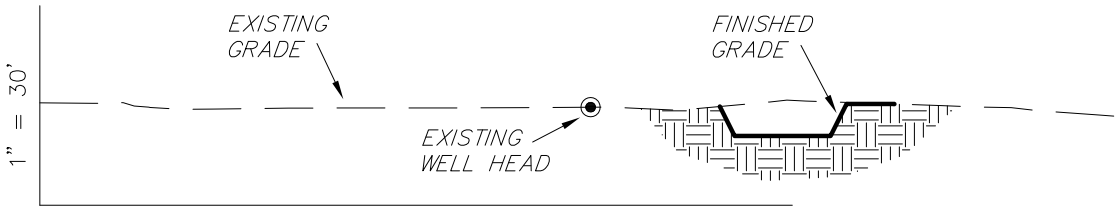
Pad Location: SWSW Section 32, T8S, R17E, S.L.B.&M.



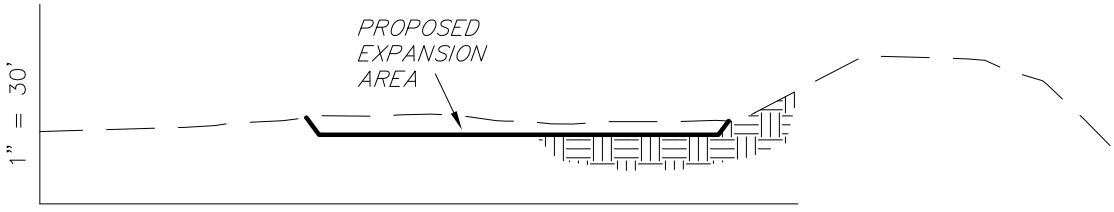
STA. 2+90



STA. 2+15



STA. 1+41



STA. 0+00

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	160	40	Topsoil is not included in Pad Cut	120
PIT	690	0		690
TOTALS	850	40	410	810

NOTE:
UNLESS OTHERWISE NOTED ALL CUT/FILL SLOPES ARE AT 1.5:1

SURVEYED BY: Q.M.	DATE SURVEYED: 11-05-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 11-06-12	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 12-07-12		

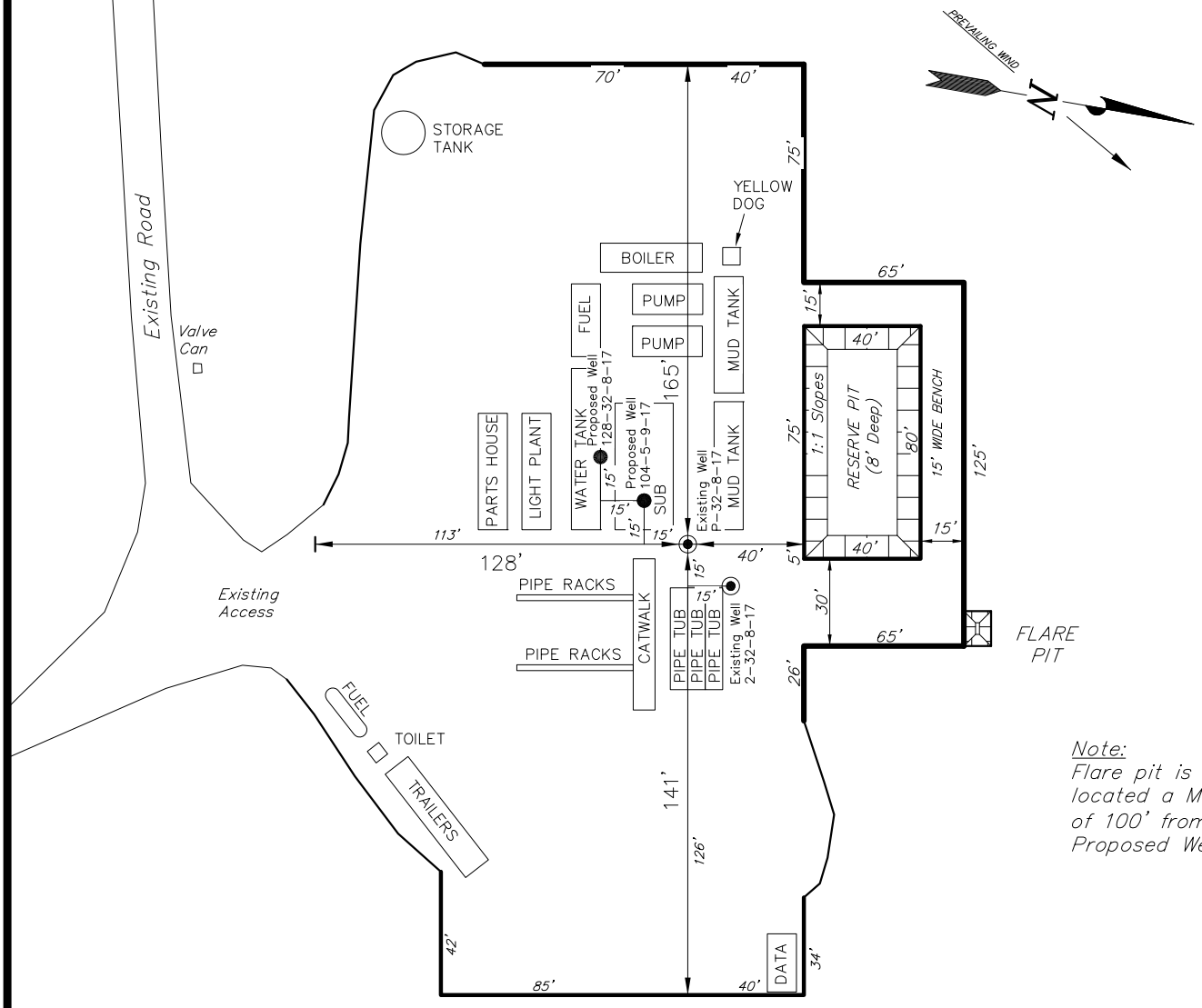
RECEIVED: January 21, 2013

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

2-32-8-17 (Existing Well)
104-5-9-17 (Proposed Well)
128-32-8-17 (Proposed Well)

Pad Location: SWSW Section 32, T8S, R17E, S.L.B.&M.



Note:
Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

SURVEYED BY: Q.M.	DATE SURVEYED: 11-05-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 11-06-12	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 12-07-12		

RECEIVED: January 21, 2013

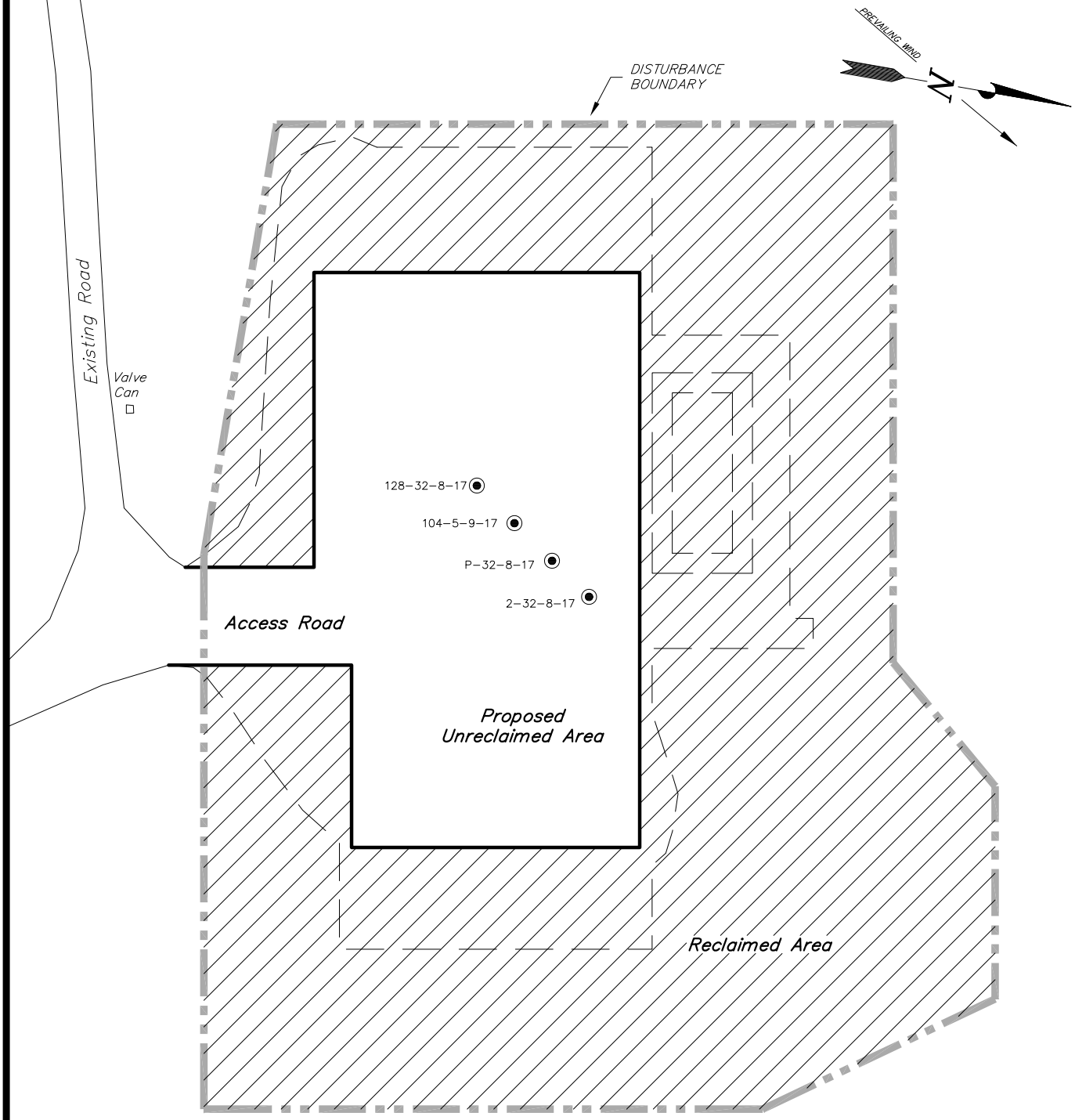
API Well Number: 43013519770000

NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

2-32-8-17 (Existing Well)
104-5-9-17 (Proposed Well)
128-32-8-17 (Proposed Well)

Pad Location: SWSW Section 32, T8S, R17E, S.L.B.&M.



Notes:
1. Reclaimed Area to Include Seeding of Approved Vegetation and Sufficient Storm Water Management System.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

DISTURBED AREA:

TOTAL DISTURBED AREA = 2.52 ACRES
TOTAL RECLAIMED AREA = 1.82 ACRES
UNRECLAIMED AREA = 0.70 ACRES

SURVEYED BY: Q.M.	DATE SURVEYED: 11-05-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 11-06-12	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 12-07-12		

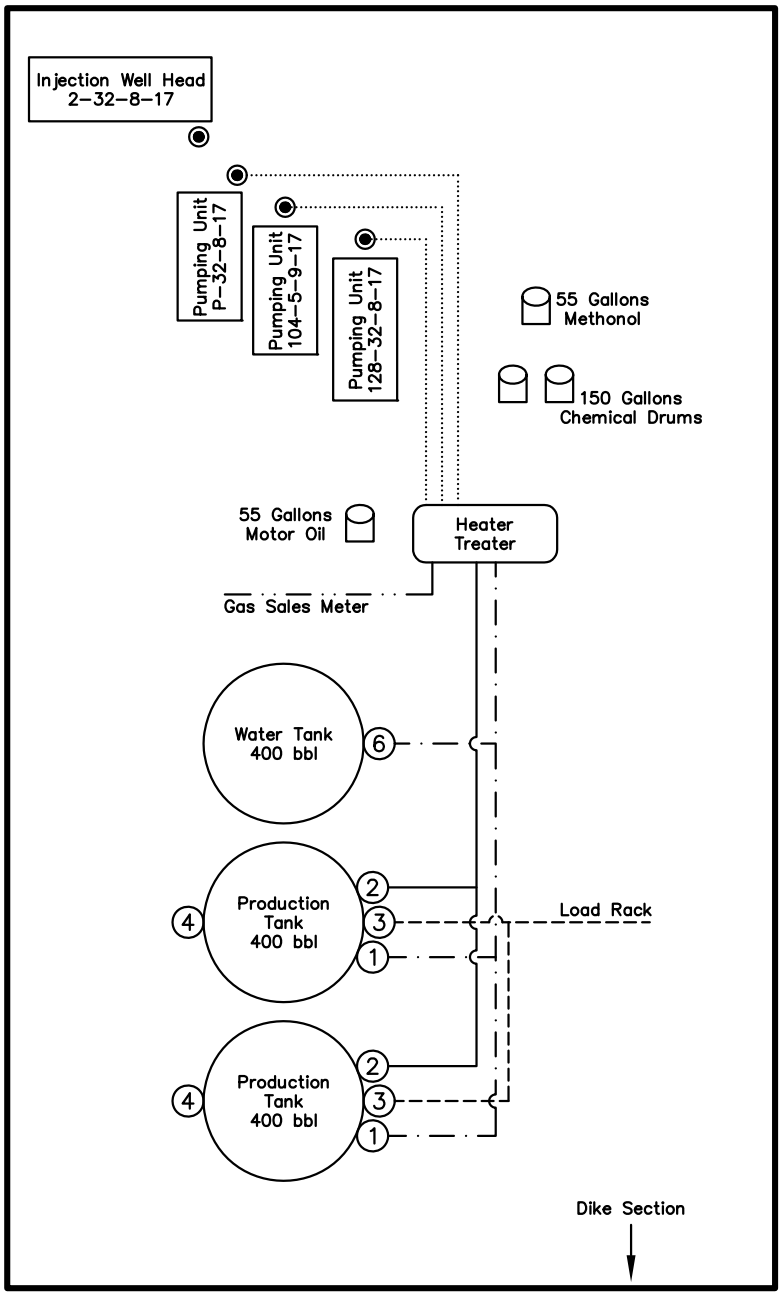
RECEIVED: January 21, 2013

NEWFIELD EXPLORATION COMPANY

PROPOSED SITE FACILITY DIAGRAM

2-32-8-17 (Existing Well)
P-32-8-17 (Existing Well) ML-22060
104-5-9-17 (Proposed Well) UTU-020252
128-32-8-17 (Proposed Well) ML-22060

Pad Location: SWSW Section 32, T8S, R17E, S.L.B.&M.
Duchesne County, Utah



Legend

Emulsion Line	.....
Load Rack	– – – – – – – –
Water Line	— · — · —
Gas Sales	— · · — · · —
Oil Line	———

NOT TO SCALE

SURVEYED BY:	Q.M.	DATE SURVEYED:	11-05-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY:	F.T.M.	DATE DRAWN:	11-06-12	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE:	NONE	REVISED:	F.T.M. 12-07-12		

RECEIVED: January 21, 2013

NEWFIELD

VIA ELECTRONIC DELIVERY

Newfield Exploration Company
1001 17th Street | Suite 2000
Denver, Colorado 80202
PH 303-893-0102 | FAX 303-893-0103

January 22, 2013

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
GMBU 104-5-9-17
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R17E Section 32: SWSW (ML-22060)
483' FSL 663' FWL

At Target: T9S-R17E Section 5: Lot 5 (NWNW) (UTU-020252)
182' FNL 660' FWL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 1/21/2013, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-exiting roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4121 or by email at lburget@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

Leslie Burget

Leslie Burget
Land Associate

API Well Number: 43013519770000

Form 3160-3
(August 2007)

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU020252

6. If Indian, Allottee or Tribe Name:

1a. Type of Work: ☒ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.: GREATER MONUMENT

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.: GMBU 104-5-9-17

2. Name of Operator: NEWFIELD EXPLORATION
Contact: MANDIE CROZIER
E-Mail: mcrozier@newfield.com

9. API Well No.:

3a. Address: ROUTE #3 BOX 3630
MYTON, UT 84052

3b. Phone No. (include area code)
Ph: 435-646-4825
Fx: 435-646-3031

10. Field and Pool, or Exploratory: MONUMENT BUTTE

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface: SWSW 483FSL 663FWL

At proposed prod. zone: NWNW Lot 5 182FNL 660FWL

11. Sec., T., R., M., or Blk. and Survey or Area: Sec 32 T8S R17E Mer SLB

14. Distance in miles and direction from nearest town or post office*: 12.0 MILES SE OF MYTON, UT

12. County or Parish: DUCHESNE

13. State: UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 182'

16. No. of Acres in Lease: 320.13

17. Spacing Unit dedicated to this well: 10.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.: 842'

19. Proposed Depth: 6298 MD
6258 TVD

20. BLM/BIA Bond No. on file: WYB000493

21. Elevations (Show whether DF, KB, RT, GL, etc.): 5245 GL

22. Approximate date work will start: 03/31/2012

23. Estimated duration: 7 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: (Electronic Submission)

Name (Printed/Typed): MANDIE CROZIER Ph: 435-646-4825

Date: 01/21/2013

Title: REGULATORY ANALYST

Approved by (Signature):

Name (Printed/Typed):

Date:

Title:

Office:

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

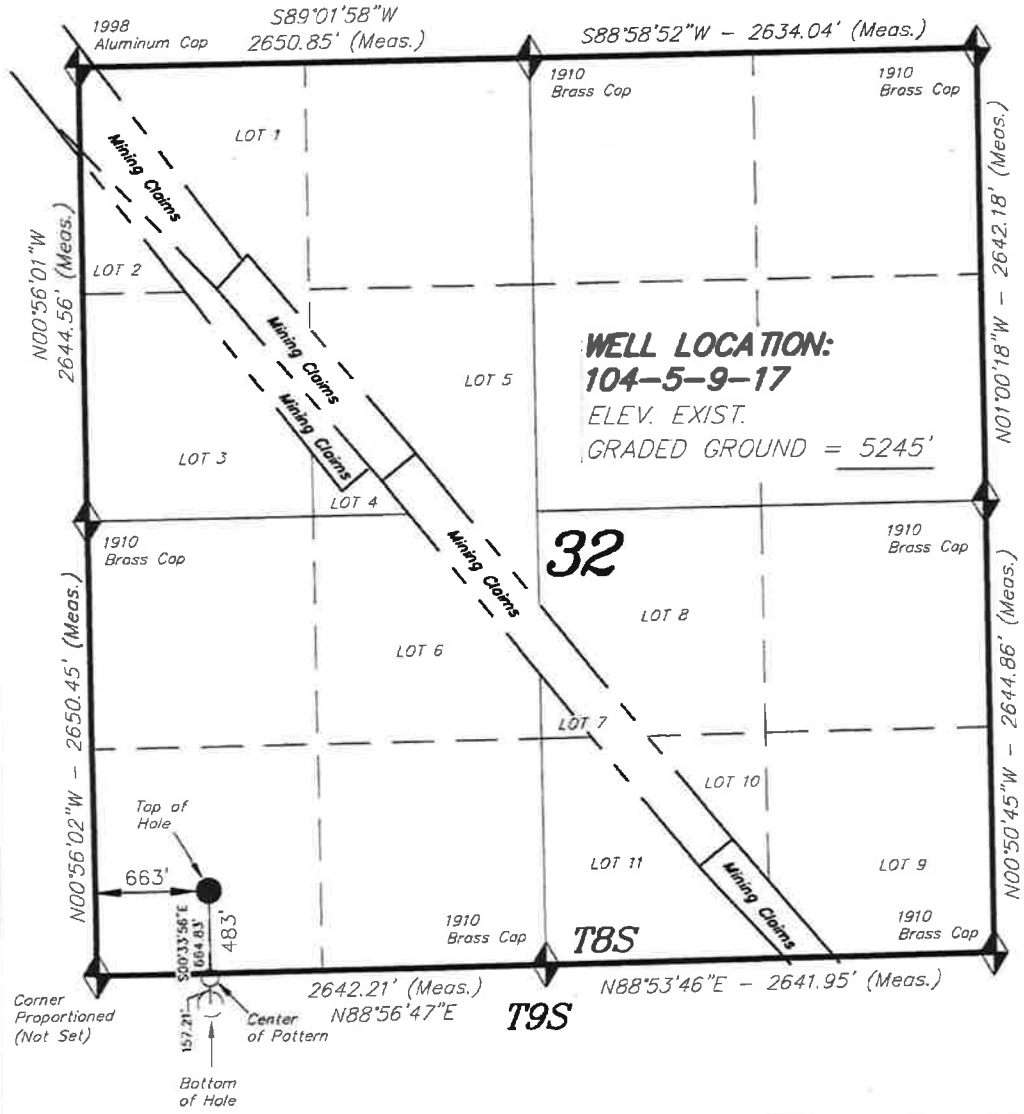
Electronic Submission #187453 verified by the BLM Well Information System
For NEWFIELD EXPLORATION, sent to the Vernal

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional Operator Remarks:

SURFACE LEASE: ML-22060
BOTTOM HOLE LEASE: UTU-020252

T8S, R17E, S.L.B.&M.



BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (SURFACE LOCATION)
LATITUDE = 40°04'06.47"
LONGITUDE = 110°02'14.95"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°04'06.60"
LONGITUDE = 110°02'12.42"

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 104-5-9-17, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 32, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'

BAR SCALE

N

NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern bears S00°33'56"E 507.62' from the Top of Hole.

= SECTION CORNERS LOCATED

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REG. No. 189377
12-07-12
STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. [illegible]
STATE OF UTAH

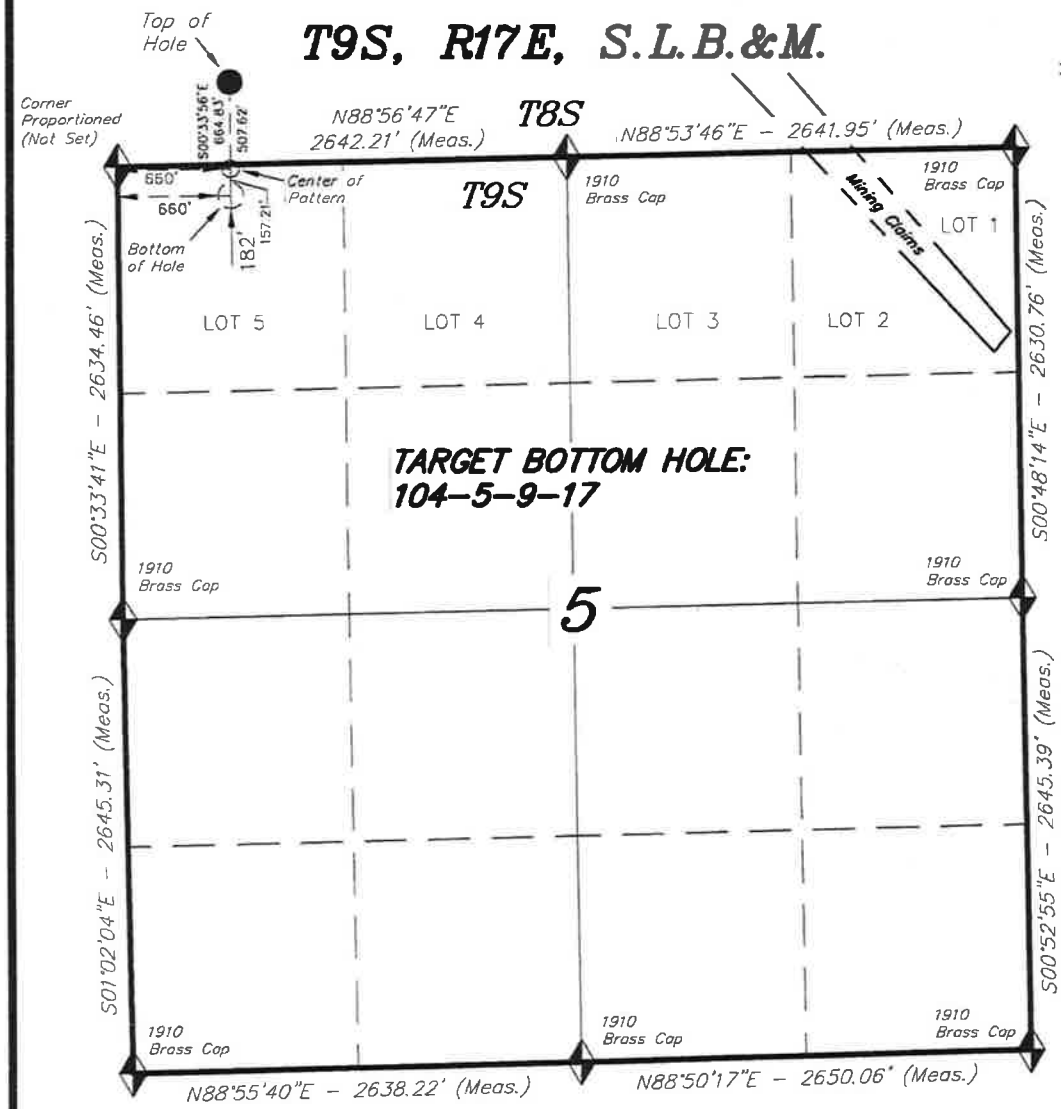
TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

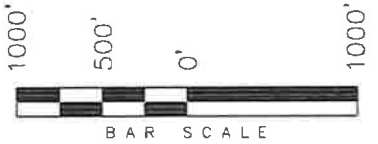
DATE SURVEYED: 11-05-12	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 11-06-12	DRAWN BY: F.T.M.	V2
REVISED: 12-07-12 F.T.M.	SCALE: 1" = 1000'	

T9S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

TARGET BOTTOM HOLE, 104-5-9-17,
LOCATED AS SHOWN IN THE NW 1/4
NW 1/4 (LOT 5) OF SECTION 5, T9S,
R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.





NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern footages are 25' FNL & 660' FWL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
No. 189377
12-07-12
STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No.
STATE OF UTAH
STATE OF UTAH

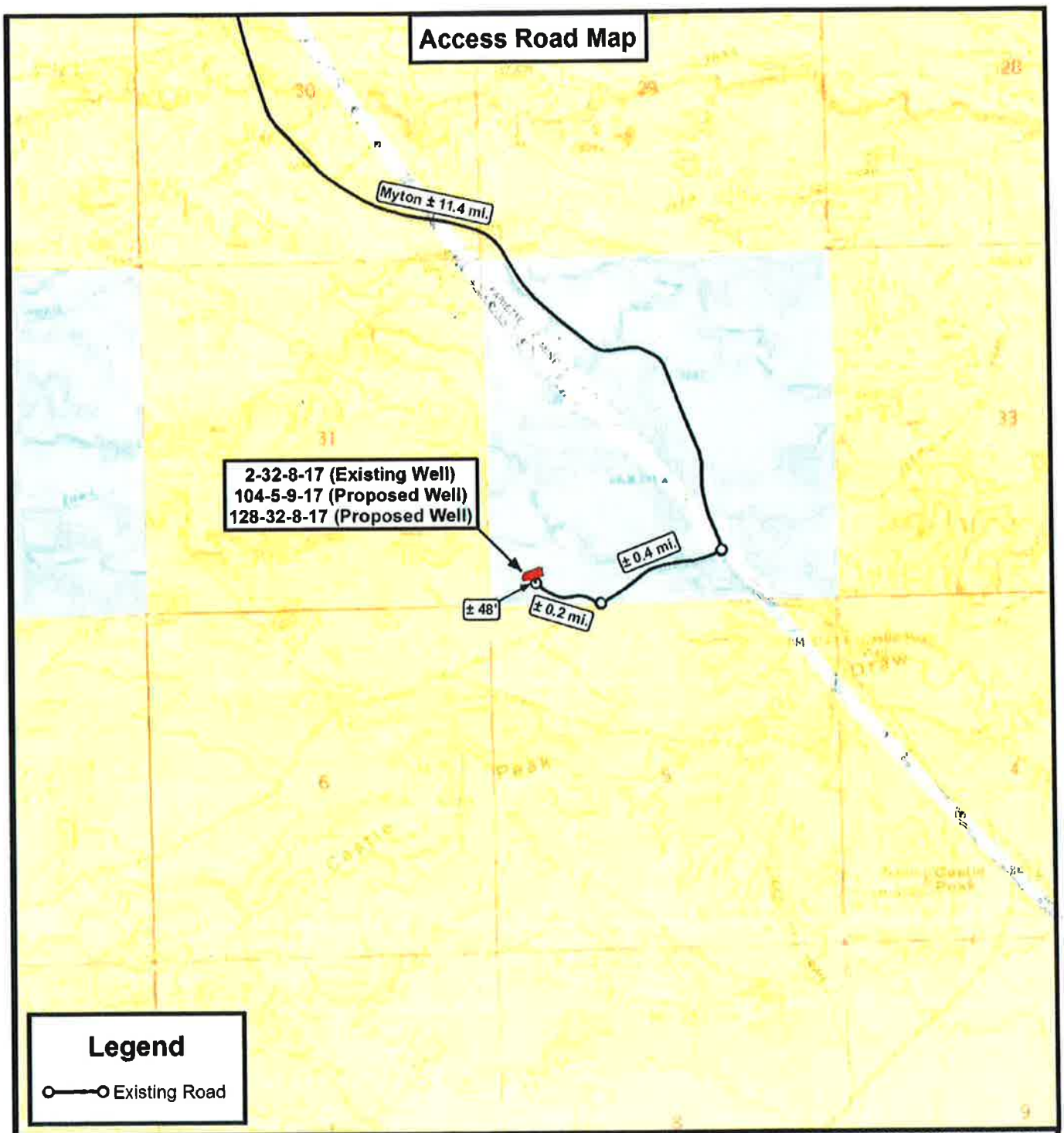
= SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°04'01.45"	LATITUDE = 40°03'59.90"
LONGITUDE = 110°02'15.00"	LONGITUDE = 110°02'15.01"
NAD 27 (CENTER OF PATTERN)	**NAD 27 (BOTTOM HOLE LOCATION)**
LATITUDE = 40°04'01.59"	LATITUDE = 40°04'00.03"
LONGITUDE = 110°02'12.46"	LONGITUDE = 110°02'12.47"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 11-05-12	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 11-06-12	DRAWN BY: F.T.M.	V2
REVISED: 12-07-12 F.T.M.	SCALE: 1" = 1000'	



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY
2-32-8-17 (Existing Well)
104-5-9-17 (Proposed Well)
128-32-8-17 (Proposed Well)
SEC. 32, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	12-07-12 A.P.C.	VERSION:
DATE:	11-08-2012			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET B

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

February 20, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51977	GMBU 104-5-9-17	Sec 32 T08S R17E 0483 FSL 0663 FWL BHL Sec 05 T09S R17E 0182 FNL 0660 FWL
43-013-51978	GMBU 127-36-8-16	Sec 36 T08S R16E 2147 FSL 1819 FWL BHL Sec 36 T08S R16E 1173 FSL 2055 FWL
43-013-51979	GMBU 104-1-9-16	Sec 36 T08S R16E 0724 FSL 0856 FEL BHL Sec 01 T09S R16E 0376 FNL 0575 FWL
43-013-51980	GMBU 111-32-8-17	Sec 32 T08S R17E 0672 FNL 1977 FWL BHL Sec 32 T08S R17E 1463 FNL 1934 FWL
43-013-51981	GMBU 118-3-9-16	Sec 03 T09S R16E 1862 FSL 1919 FEL BHL Sec 03 T09S R16E 2567 FNL 1865 FEL
43-013-51993	GMBU 3-10-9-16	Sec 10 T09S R16E 0814 FNL 2092 FWL
43-013-51994	GMBU 6-30-9-16	Sec 30 T09S R16E 2341 FNL 0398 FWL BHL Sec 30 T09S R16E 1981 FNL 1883 FWL

RECEIVED: February 20, 2013

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51995	GMBU 5-30-9-16	Sec 30 T09S R16E 2362 FNL 0400 FWL
43-013-51996	GMBU 8-27-9-15	Sec 27 T09S R15E 2132 FNL 0532 FEL
43-013-51997	GMBU 16-32-8-17	Sec 32 T08S R17E 0836 FSL 0587 FEL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2013.02.20 13:16:01 -07'00'

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

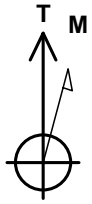
MCoulthard:mc:2-20-13

RECEIVED: February 20, 2013

API Well Number: 43013519770000

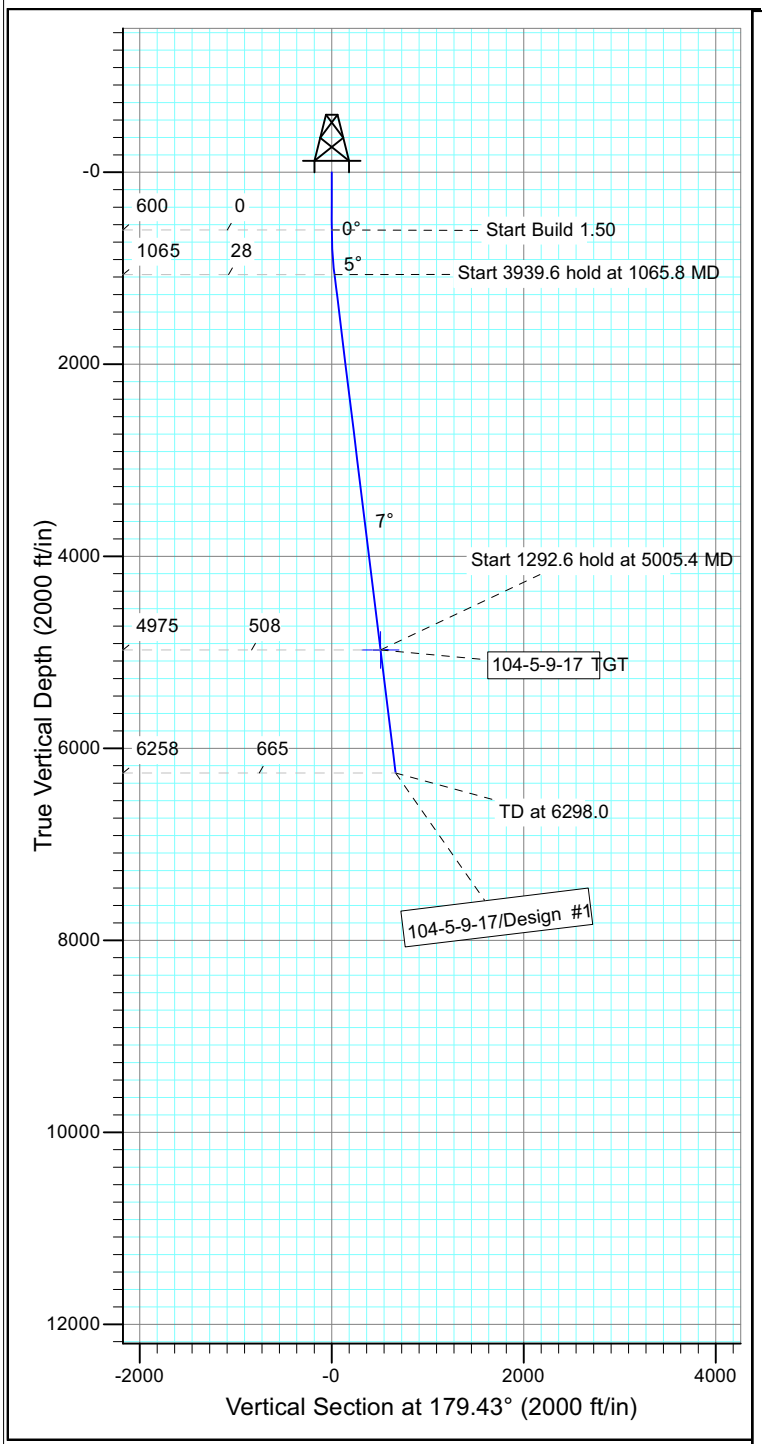
NEWFIELD

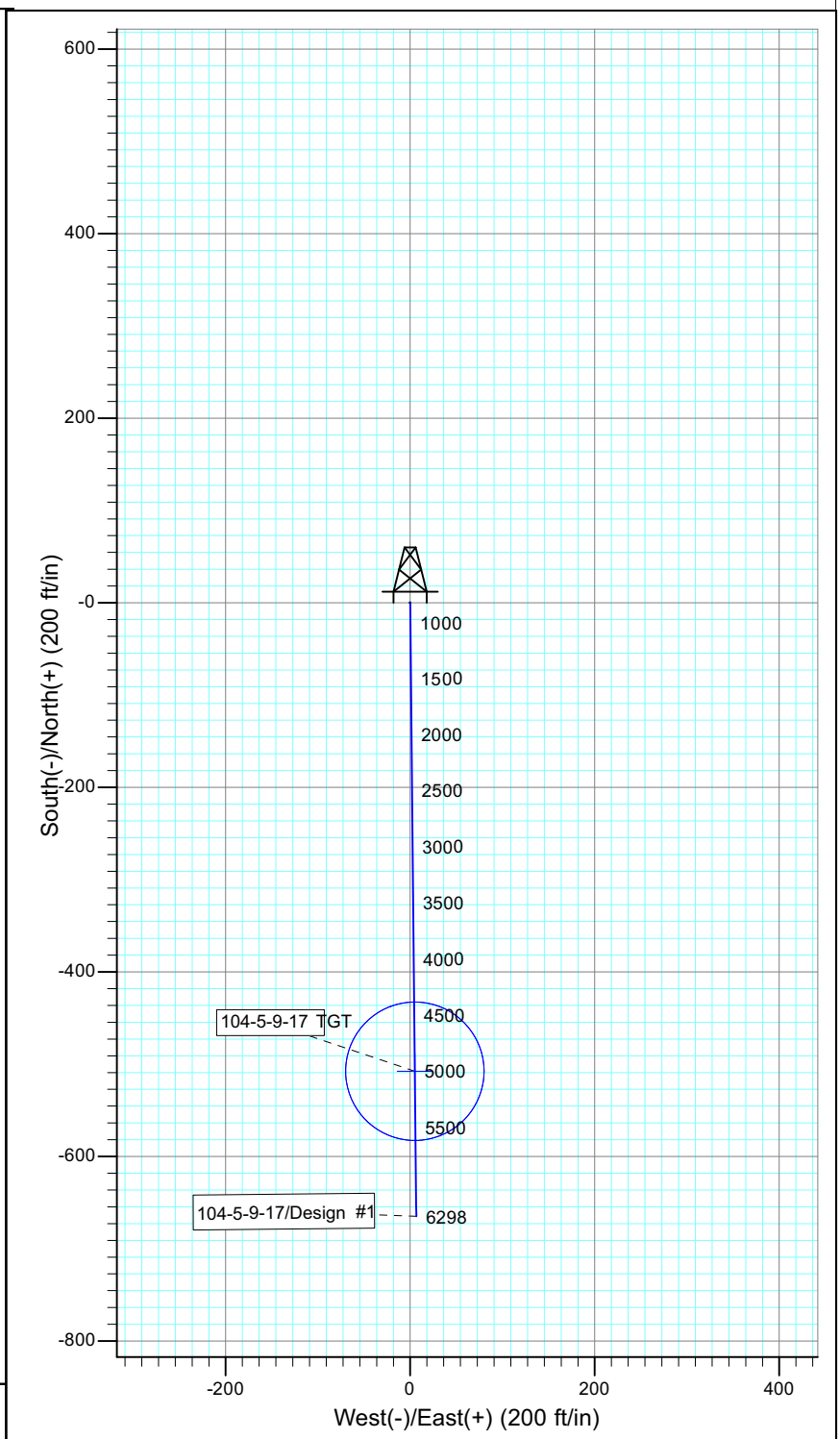
Project: USGS Myton SW (UT)
Site: SECTION 32 T8S, R17E
Well: 104-5-9-17
Wellbore: Wellbore #1
Design: Design #1



Azimuths to True North
Magnetic North: 11.13°

Magnetic Field
Strength: 52150.4snT
Dip Angle: 65.78°
Date: 11/8/2012
Model: IGRF2010





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
104-5-9-17 TGT	4975.0	-507.6	5.0	Circle (Radius: 75.0)

SECTION DETAILS

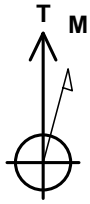
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1065.8	6.99	179.43	1064.7	-28.4	0.3	1.50	179.43	28.4	
4	5005.4	6.99	179.43	4975.0	-507.6	5.0	0.00	0.00	507.6	104-5-9-17 TGT
5	6298.0	6.99	179.43	6258.0	-664.8	6.6	0.00	0.00	664.9	

Received: January 21, 2013

API Well Number: 43013519770000

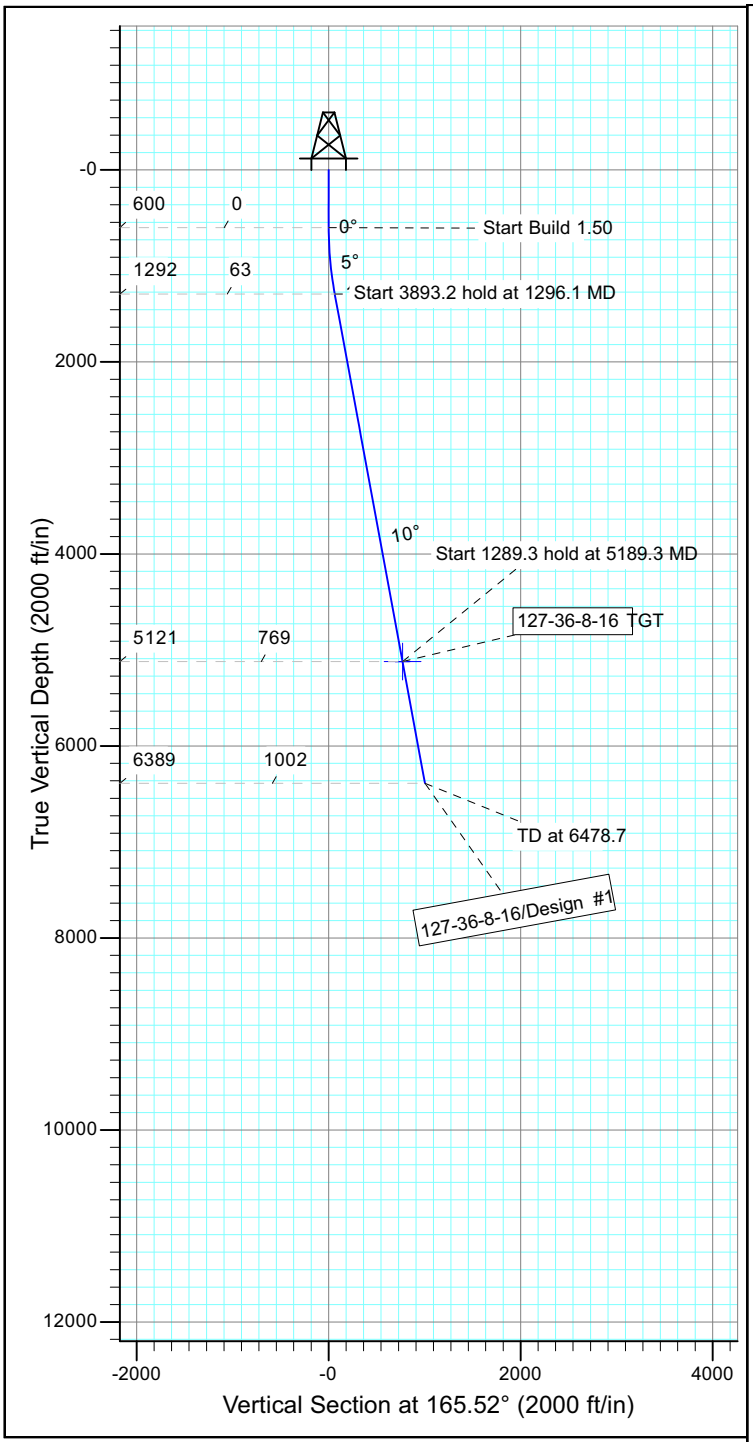
NEWFIELD

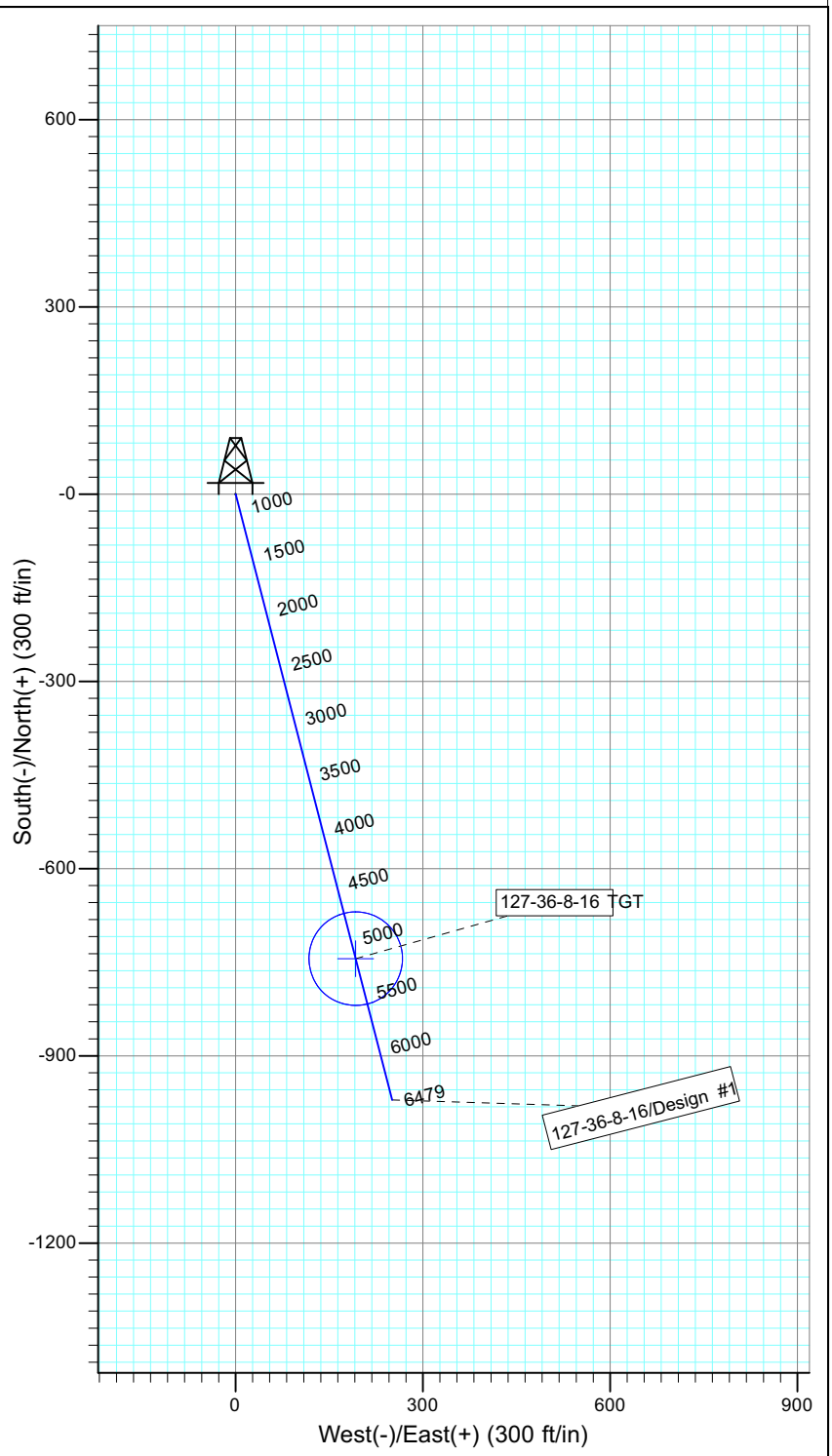
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R16E
Well: 127-36-8-16
Wellbore: Wellbore #1
Design: Design #1



Azimuths to True North
Magnetic North: 11.14°

Magnetic Field
Strength: 52146.3snT
Dip Angle: 65.78°
Date: 11/8/2012
Model: IGRF2010





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
127-36-8-16 TGT	5121.0	-744.4	192.2	Circle (Radius: 75.0)

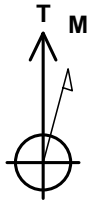
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1296.1	10.44	165.52	1292.2	-61.2	15.8	1.50	165.52	63.2	
4	5189.3	10.44	165.52	5121.0	-744.4	192.2	0.00	0.00	768.8	127-36-8-16 TGT
5	6478.7	10.44	165.52	6389.0	-970.6	250.7	0.00	0.00	1002.5	

API Well Number: 43013519770000

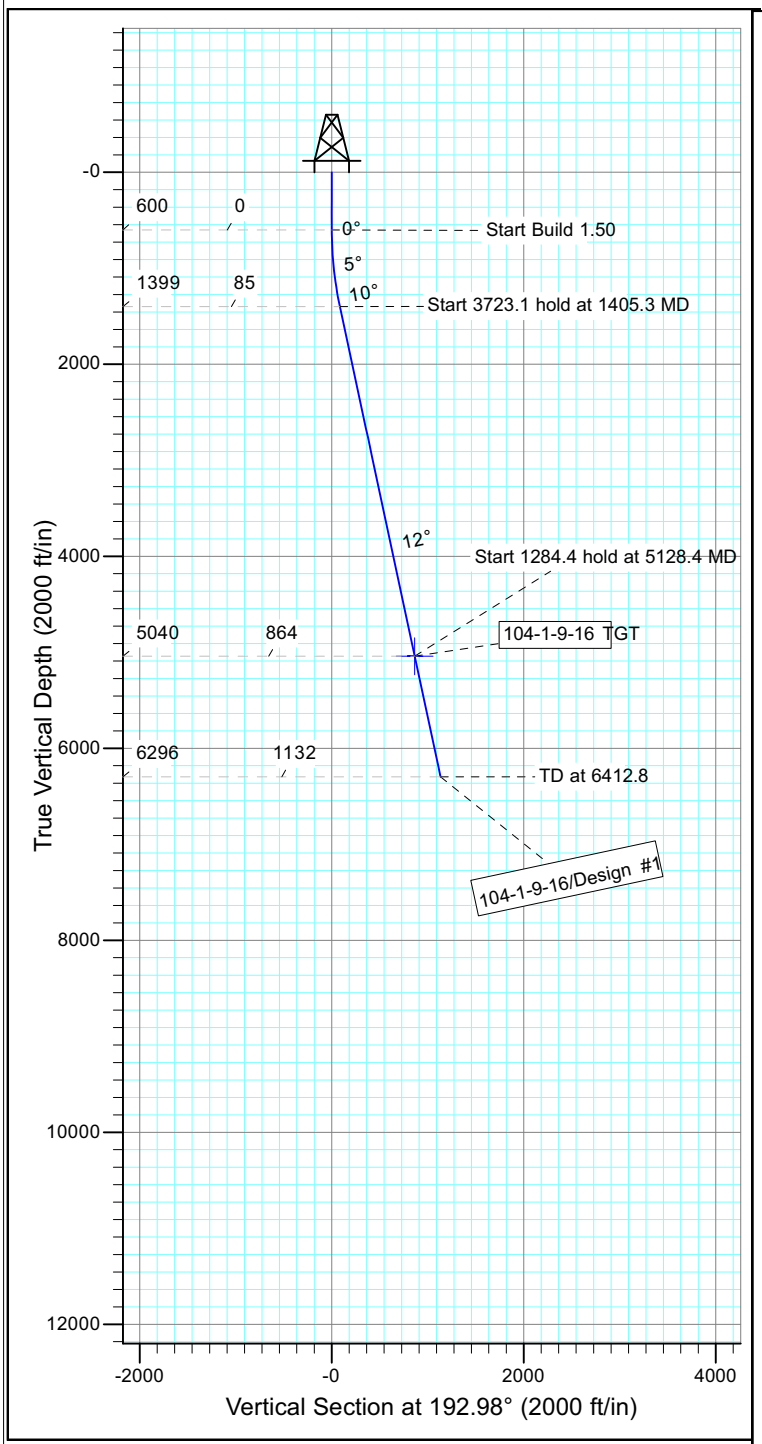
NEWFIELD

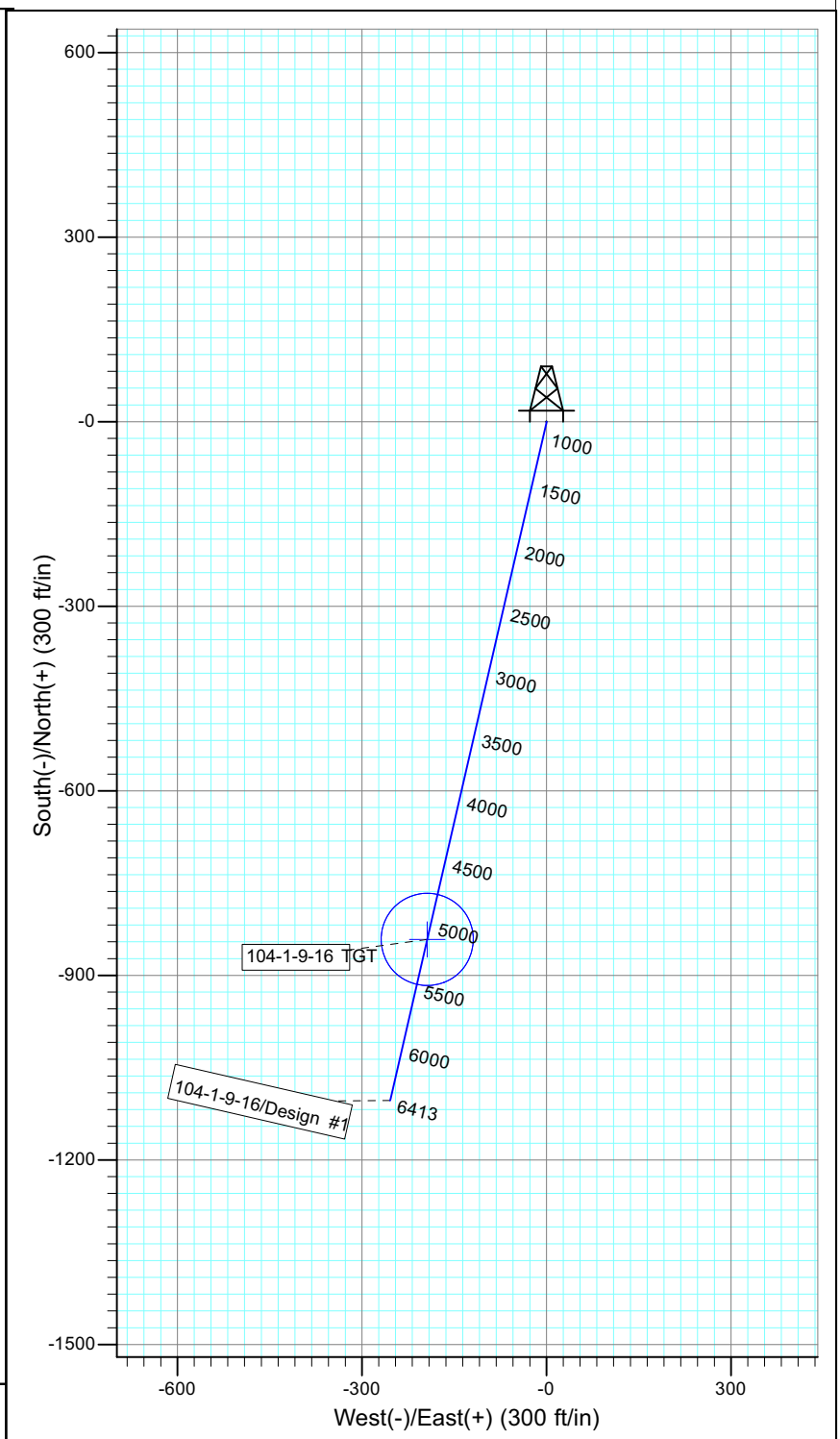
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R16E
Well: 104-1-9-16
Wellbore: Wellbore #1
Design: Design #1



Azimuths to True North
Magnetic North: 11.14°

Magnetic Field
Strength: 52144.4snT
Dip Angle: 65.78°
Date: 11/8/2012
Model: IGRF2010





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
104-1-9-16 TGT	5040.0	-841.6	-194.0	Circle (Radius: 75.0)

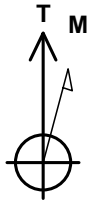
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1405.3	12.08	192.98	1399.3	-82.4	-19.0	1.50	192.98	84.6	
4	5128.4	12.08	192.98	5040.0	-841.6	-194.0	0.00	0.00	863.7	104-1-9-16 TGT
5	6412.8	12.08	192.98	6296.0	-1103.5	-254.4	0.00	0.00	1132.5	

API Well Number: 43013519770000

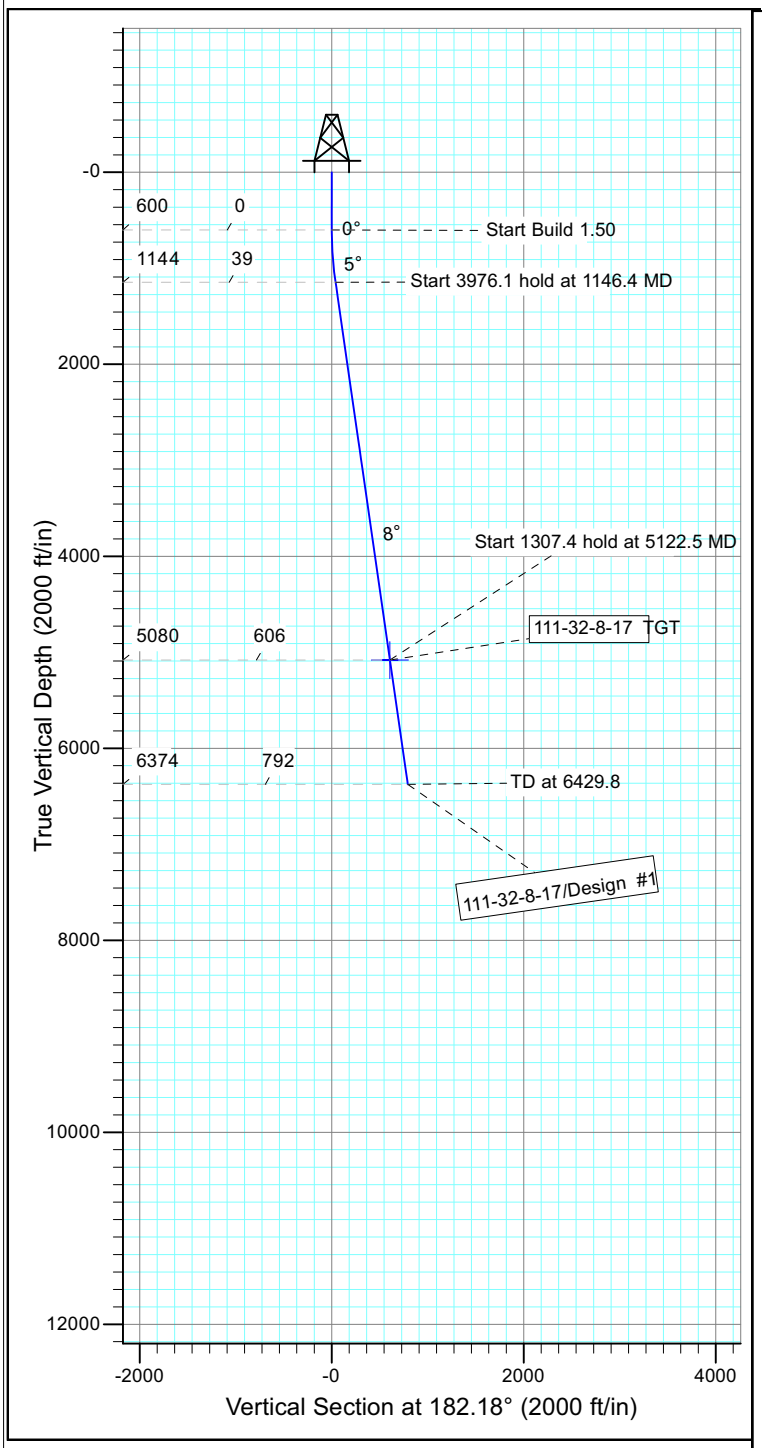
NEWFIELD

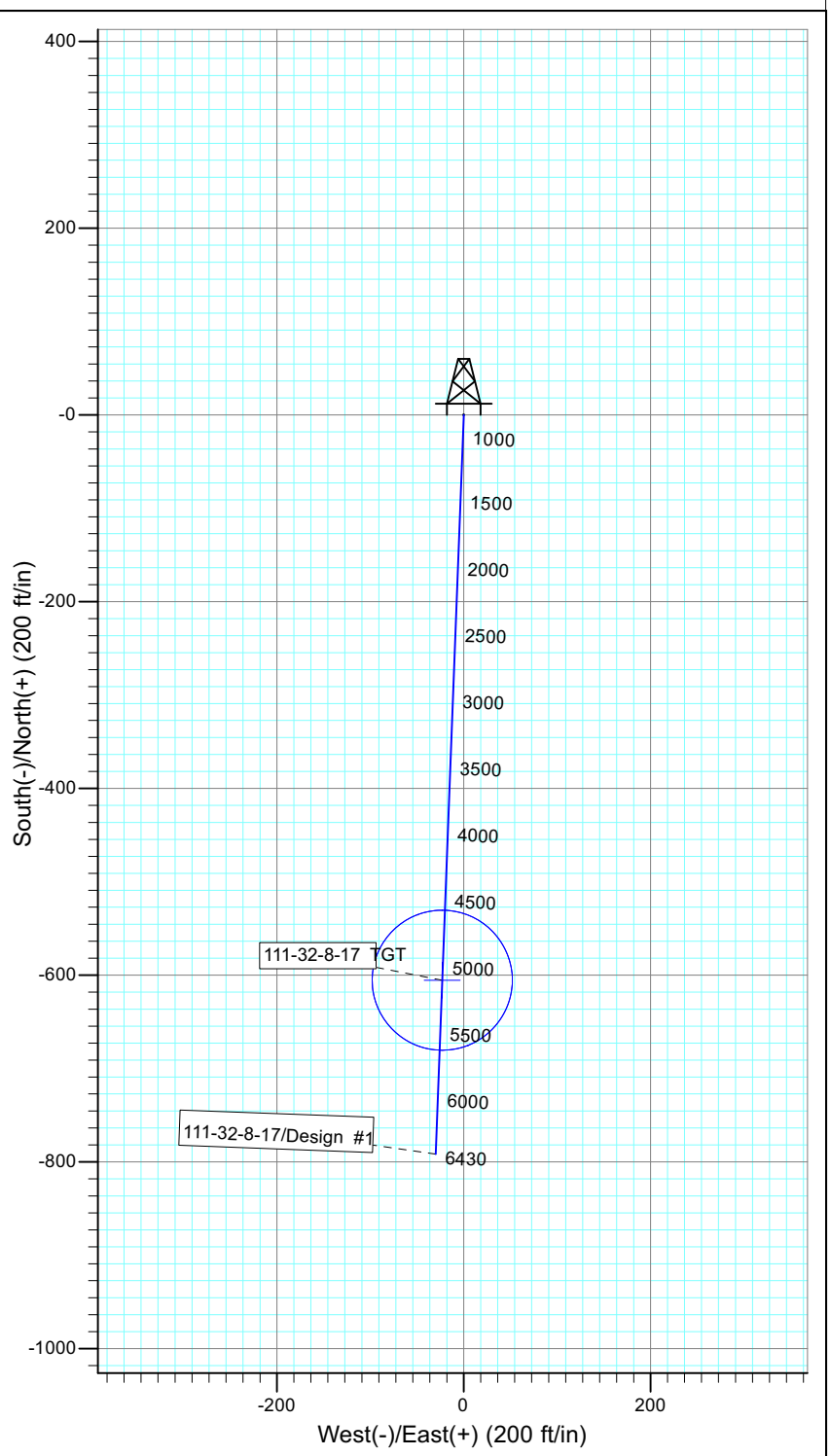
Project: USGS Myton SW (UT)
Site: SECTION 32 T8S, R17E
Well: 111-32-8-17
Wellbore: Wellbore #1
Design: Design #1



Azimuths to True North
Magnetic North: 11.13°

Magnetic Field
Strength: 52157.5snT
Dip Angle: 65.79°
Date: 11/8/2012
Model: IGRF2010





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
111-32-8-17 TGT	5080.0	-605.4	-23.0	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1146.4	8.20	182.18	1144.5	-39.0	-1.5	1.50	182.18	39.0	
4	5122.5	8.20	182.18	5080.0	-605.4	-23.0	0.00	0.00	605.8	111-32-8-17 TGT
5	6429.8	8.20	182.18	6374.0	-791.6	-30.1	0.00	0.00	792.2	

PAYZONE

API Well Number: 43013519770000

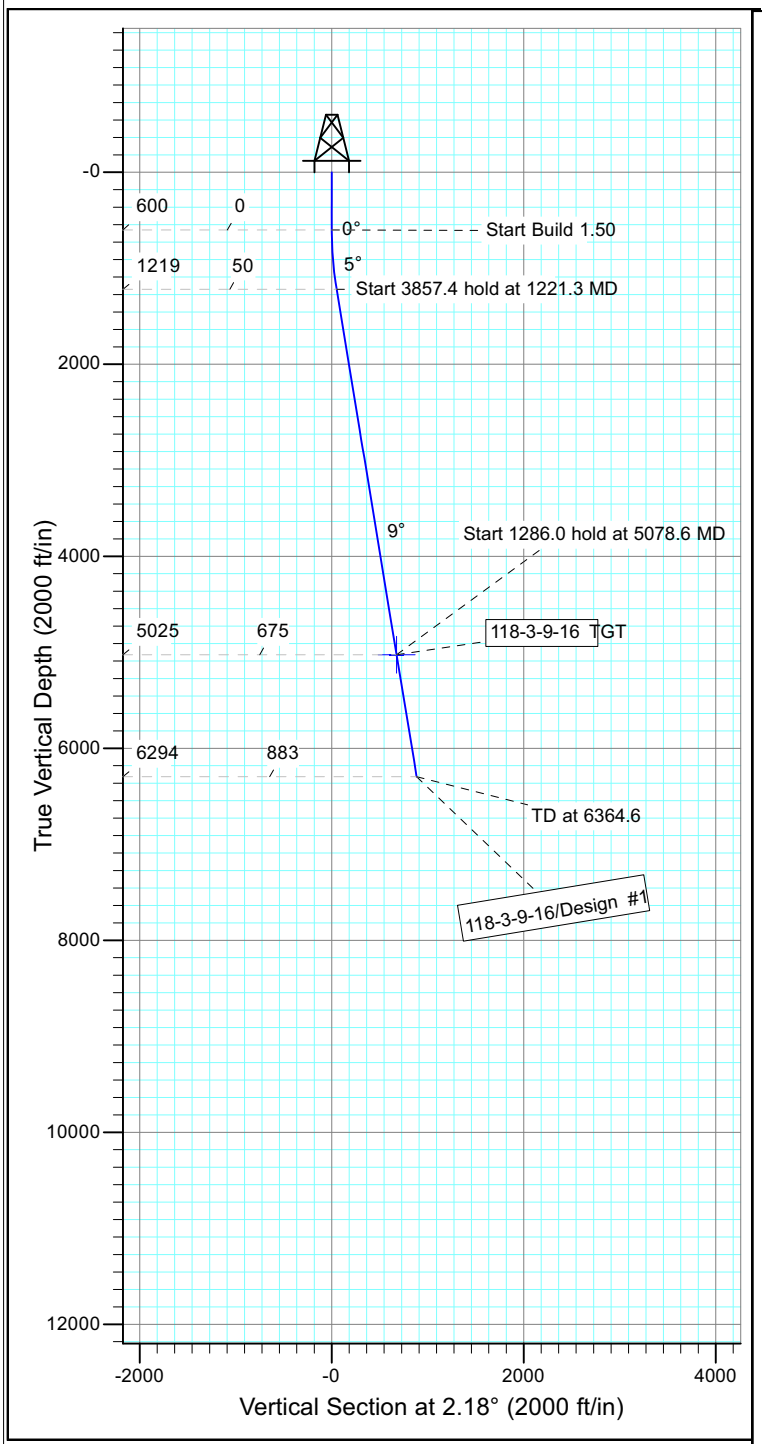
NEWFIELD

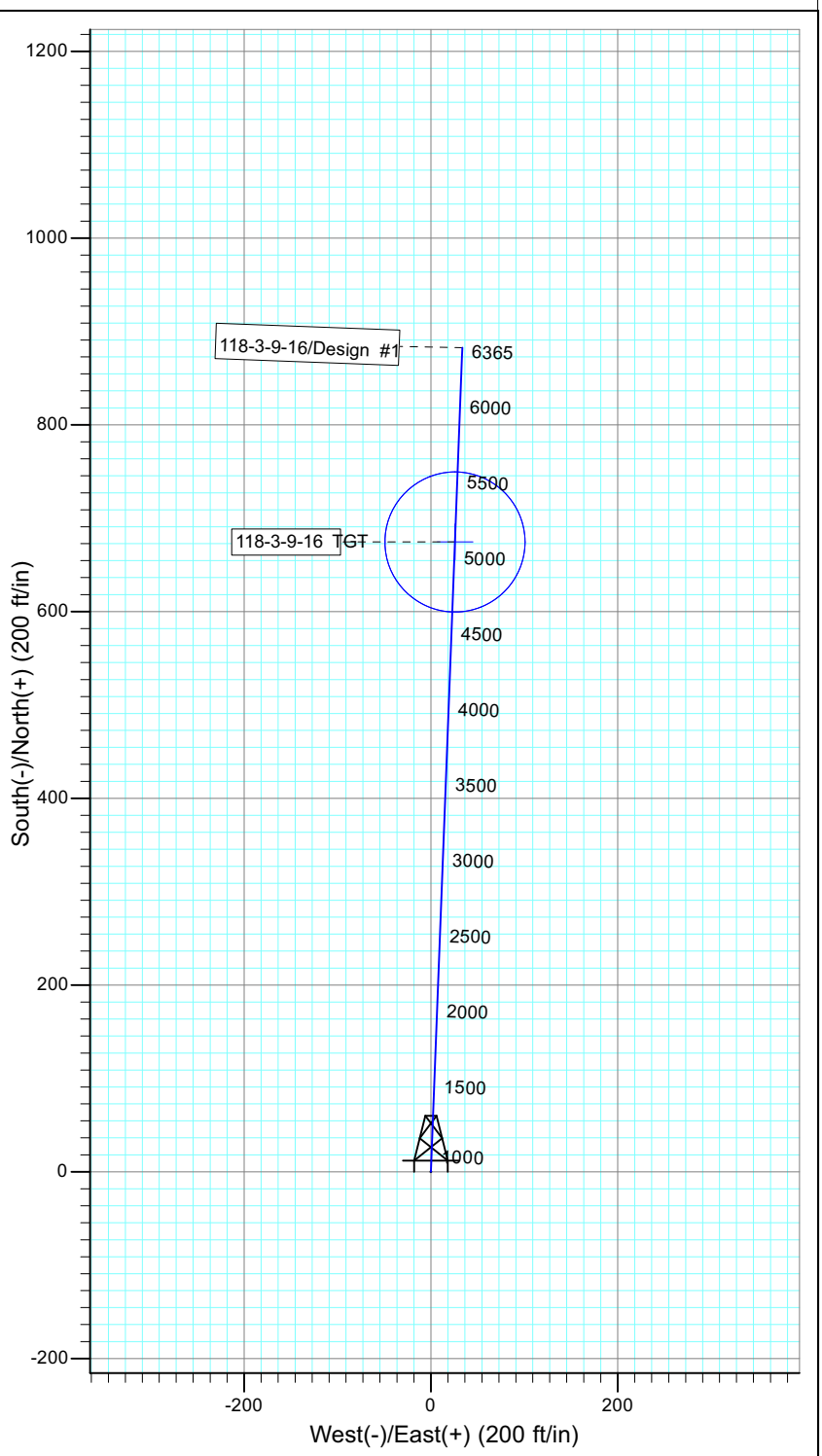
Project: USGS Myton SW (UT)
Site: SECTION 3 T9S, R16E
Well: 118-3-9-16
Wellbore: Wellbore #1
Design: Design #1

T M

Azimuths to True North
Magnetic North: 11.15°

Magnetic Field
Strength: 52132.7snT
Dip Angle: 65.76°
Date: 11/8/2012
Model: IGRF2010





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
118-3-9-16 TGT	5025.0	674.6	25.7	Circle (Radius: 75.0)

SECTION DETAILS

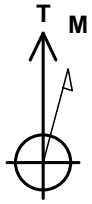
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1221.3	9.32	2.18	1218.5	50.4	1.9	1.50	2.18	50.4	
4	5078.6	9.32	2.18	5025.0	674.6	25.7	0.00	0.00	675.0	118-3-9-16 TGT
5	6364.6	9.32	2.18	6294.0	882.7	33.6	0.00	0.00	883.3	

PAYZONE

API Well Number: 43013519770000

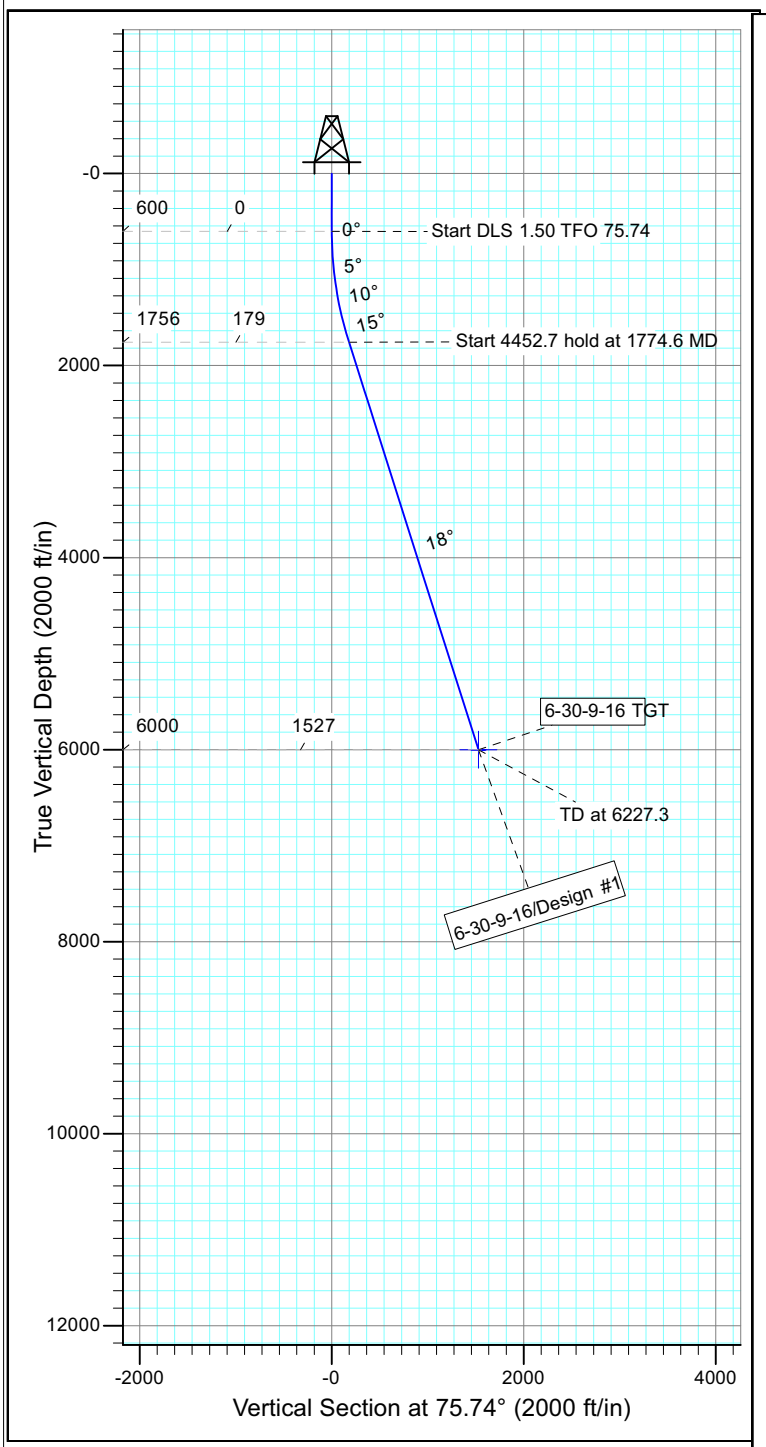
NEWFIELD

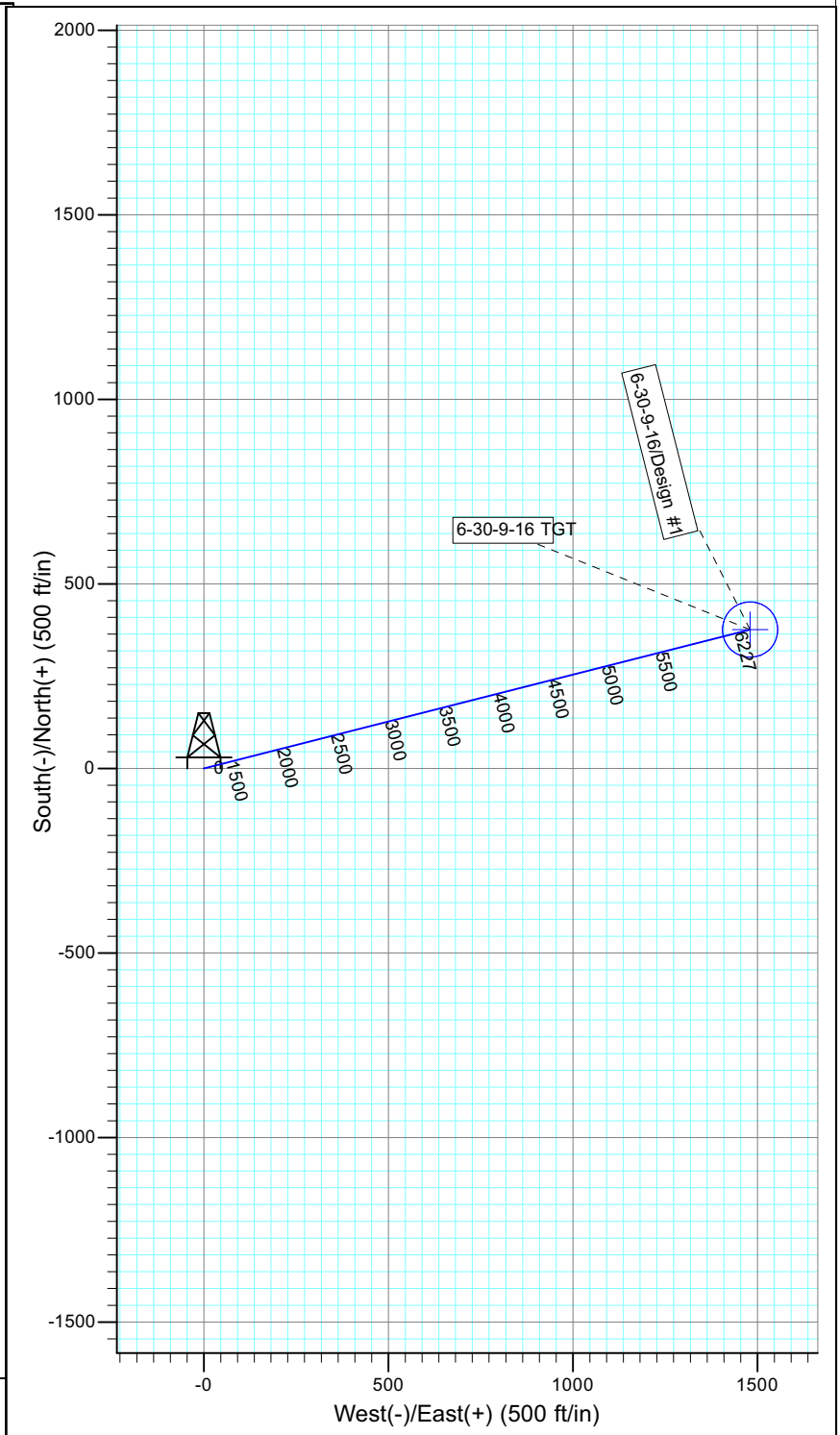
Project: USGS Myton SW (UT)
Site: SECTION 30 T9S, R16E
Well: 6-30-9-16
Wellbore: Wellbore #1
Design: Design #1



Azimuths to True North
Magnetic North: 11.14°

Magnetic Field
Strength: 52067.1snT
Dip Angle: 65.70°
Date: 1/23/2013
Model: IGRF2010





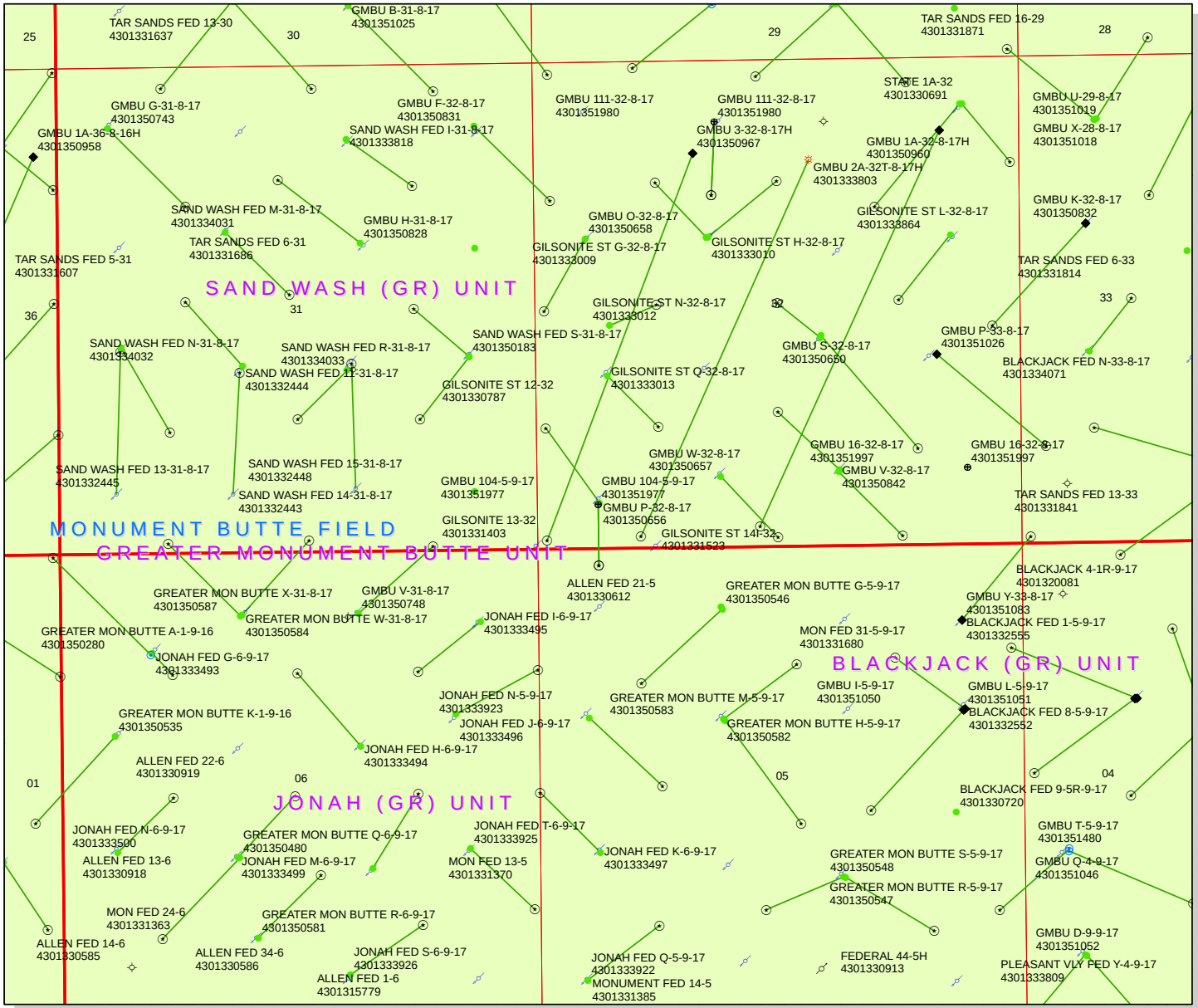
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
6-30-9-16 TGT	6000.0	376.1	1479.9	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1774.6	17.62	75.74	1756.2	44.1	173.7	1.50	75.74	179.2	
4	6227.3	17.62	75.74	6000.0	376.1	1479.9	0.00	0.00	1527.0	6-30-9-16 TGT

API Well Number: 43013519770000



API Number: 4301351977

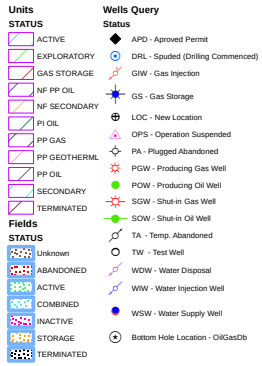
Well Name: GMBU 104-5-9-17

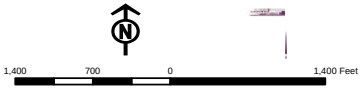
Township T08.0S Range R17.0E Section 32

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason





1:13,484

RECEIVED: February 21, 2013

API well Number: 4301351977000

Search Images Mail Drive Calendar Sites Groups Contacts Mobile More

dianawhitney@utah.gov

Mail

More 4 of about 97

COMPOSE

Inbox (25)
Starred
Important
Sent Mail
Drafts
BLM (83)
Cabinet
Electronic filing
Eng. Tech
New Permits
Saved
Follow up
Misc
Priority
Tariq
More

Newfield Well Approvals

Inbox x

Jeff Conley 2:14 PM (16 hours ago)

to Jim, Lavonne, mcrozier, cdmiller, me, Brad

The following wells have been approved by SITLA including arch and paleo resources

(4301351967) GMBU B-21-9-17
(4301351980) GMBU 111-32-8-17
(4301351978) GMBU 127-36-8-16
(4301351976) GMBU 128-32-8-17
(4301351977) GMBU 104-5-9-17

The following well is approved by SITLA including arch and paleo with 1 arch recommendation

(4301351979) GMBU 104-1-9-16 (U-12-MQ-1092b,s; 1 eligible site, 42Dc2653, adjacent to the north side of the well pad - cultural clearance is given provided the proponent restricts development to the north of the existing well pad; if the proponent decides expansion of the well pad to the north is necessary, then either archaeological monitoring or avoidance fencing along the southern edge of the eligible site is required)

Click here to Reply, Reply to all, or Forward

People (6)

Jeff Conley

Trust Lands Resource Specialist

Show details

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator	NEWFIELD PRODUCTION COMPANY							
Well Name	GMBU 104-5-9-17							
API Number	43013519770000	**APD No**	7499	**Field/Unit**	MONUMENT BUTTE			
Location: 1/4,1/4	SWSW	**Sec**	32	**Tw**	8.0S	**Rng**	17.0E	483 FSL 663 FWL
GPS Coord (UTM)				**Surface Owner**				

Participants

Shon McKinnon - Newfield

Regional/Local Setting & Topography

New well on Existing location. Host well is the 2-32-8-17
Location was not staked and coordiantes could not be verified

Surface Use Plan

Current Surface Use
Existing Well Pad

New Road Miles	Well Pad Width	Well Pad Length	Src Const Material	Surface Formation

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands

Flora / Fauna

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diverson Required?

Berm Required?

Erosion Sedimentation Control Required?

Paleo Survey Run?	Paleo Potental Observed?	Cultural Survey Run?	Cultural Resources?

Reserve Pit

RECEIVED: March 04, 2013

API Well Number: 43013519770000

Site-Specific Factors	Site Ranking
Distance to Groundwater (feet)	
Distance to Surface Water (feet)	
Dist. Nearest Municipal Well (ft)	
Distance to Other Wells (feet)	
Native Soil Type	
Fluid Type	
Drill Cuttings	
Annual Precipitation (inches)	
Affected Populations	
Presence Nearby Utility Conduits	
Final Score	Sensitivity Level

Characteristics / Requirements

Closed Loop Mud Required?	Liner Required?	Liner Thickness	Pit Underlayment Required?

Other Observations / Comments

Chris Jensen	2/13/2013
Evaluator	**Date / Time**

RECEIVED: March 04, 2013

Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7499	43013519770000	SITLA	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		**Surface Owner-APD**		
Well Name	GMBU 104-5-9-17		**Unit**	GMBU (GRRV)	
Field	MONUMENT BUTTE		**Type of Work**	DRILL	
Location	SWSW 32 8S 17E S 483 FSL 663 FWL GPS Coord (UTM) 582087E 4435798N				

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Federal Government. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill — **APD Evaluator**

2/26/2013 — **Date / Time**

Surface Statement of Basis

New well on Existing location. Host well is the 2-32-8-17. Location was not staked and coordiantes could not be verified. I see no further issues of concern.

Chris Jensen — **Onsite Evaluator**

2/13/2013 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: March 04, 2013

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/21/2013 **API NO. ASSIGNED:** 43013519770000
WELL NAME: GMBU 104-5-9-17
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4825
CONTACT: Mandie Crozier

PROPOSED LOCATION: SWSW 32 080S 170E **Permit Tech Review:** ☑
SURFACE: 0483 FSL 0663 FWL **Engineering Review:** ☐
BOTTOM: 0182 FNL 0660 FWL **Geology Review:** ☑
COUNTY: DUCHESNE
LATITUDE: 40.06844 **LONGITUDE:** -110.03739
UTM SURF EASTINGS: 582087.00 **NORTHINGS:** 4435798.00
FIELD NAME: MONUMENT BUTTE
LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-020252 **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER
SURFACE OWNER: 3 - State **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - WYB000493
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit: GMBU (GRRV)

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 213-11
Effective Date: 11/30/2009
Siting: Suspends General Siting

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
4 - Federal Approval - dmason
5 - Statement of Basis - bhill
15 - Directional - dmason
27 - Other - bhill

RECEIVED: March 04, 2013

GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: GMBU 104-5-9-17
API Well Number: 43013519770000
Lease Number: UTU-020252
Surface Owner: STATE
Approval Date: 3/4/2013

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the

following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284
  (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pro Petro 8
Submitted By Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU 104-5-9-17
Qtr/Qtr SW/SW Section 32 Township 8S Range 17E
Lease Serial Number UTU-020252
API Number 43-013-51977-00-X1

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 7/25/13 7:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 7/25/13 3:00 AM ☐ PM ☒

BOPE

☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

RECEIVED
JUL 24 2013
DIV. OF OIL, GAS & MINING

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-020252

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU 104-5-9-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013519770000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0483 FSL 0663 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 32 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☑ SPUD REPORT Date of Spud: 7/25/2013	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU, drill and run 5' of 14" conductor, set at 15'kb. Drill 12 1/4" surface f/ 15 to 329'kb, ran 7 jts 8 5/8. Pumped 200 sx of G neat cement. Returned 6 barrels. Bump plug at 350

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
August 12, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Cherei Neilson	435 646-4883	Drilling Techinacian
SIGNATURE N/A		**DATE** 8/12/2013

RECEIVED: Aug. 12, 2013

NEWFIELD

Casing

Conductor

Legal Well Name			Wellbore Name	
GMBU 104-5-9-17			Original Hole	
API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43013519770000		GMBU CTB5	Exploration	Slant
Well RC	County	State/Province	Spud Date	Rig Release Date
500352123	Duchesne	Utah		

Wellbore

Wellbore Name	Kick Off Depth (ftKB)

Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date

Wellhead

Type	Install Date	Service	Comment

Wellhead Components

Des	Make	Model	SN	WP Top (psi)

Casing

Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Conductor	15	7/29/2013	

Centralizers	Scratchers

Casing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)	ID (in)
Casing Joint	14	36.75	H-40		1	5.00	10.0	15.0				13.500

NEWFIELD

Casing

Surface

Legal Well Name			Wellbore Name	
GMBU 104-5-9-17			Original Hole	
API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43013519770000		GMBU CTB5	Exploration	Slant
Well RC	County	State/Province	Spud Date	Rig Release Date
500352123	Duchesne	Utah		

Wellbore

Wellbore Name	Kick Off Depth (ftKB)
Original Hole	

Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	10	15	7/29/2013	7/29/2013
Vertical	12 1/4	15	329	7/29/2013	7/29/2013

Wellhead

Type	Install Date	Service	Comment

Wellhead Components

Des	Make	Model	SN	WP Top (psi)

Casing

Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Surface	322	7/29/2013	

Centralizers	Scratchers

Casing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)	ID (in)
Cut off	8 5/8	24.00	J-55		1	42.81	9.8	52.6				8.097
Casing Joints	8 5/8	24.00	J-55		5	222.30	52.6	274.9				8.097
Float Collar	8 5/8	24.00	J-55		1	0.92	274.9	275.8				8.097
Shoe Joint	8 5/8	24.00	J-55		1	44.78	275.8	320.6				8.097
Guide Shoe	8 5/8	24.00	J-55		1	1.39	320.6	322.0				8.097

Form 3160-3
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
~~MAR 28 2013~~
Jan 22, 2013
By

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. UTU020252
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA Agreement, Name and No. UTU87538X
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone	8. Lease Name and Well No. GMBU 104-5-9-17
2. Name of Operator NEWFIELD EXPLORATION COMPANY Contact: MANDIE CROZIER Email: mcrozier@newfield.com	9. API Well No. 43-013-51977
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052	3b. Phone No. (include area code) Ph: 435.646.3721 Ext: 4825 Fx: 435.646.3031
	10. Field and Pool, or Exploratory MONUMENT BUTTE
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface SWSW 483FSL 663FWL At proposed prod. zone Lot 5 182FNL 660FWL Sec 5 T9S R17E	11. Sec., T., R., M., or Blk. and Survey or Area Sec 32 T8S R17E Mer SLB SME: STATE
14. Distance in miles and direction from nearest town or post office* 12.0 MILES SE OF MYTON, UT	12. County or Parish DUCHESNE / 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 182'	16. No. of Acres in Lease 320.13 / 17. Spacing Unit dedicated to this well 10.00
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 842'	19. Proposed Depth 6298 MD 6258 TVD / 20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KB, RT, GL, etc. 5245 GL	22. Approximate date work will start 03/31/2012 / 23. Estimated duration 7 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) MANDIE CROZIER Ph: 435.646.3721 Ext: 4825	Date 01/21/2013
Title REGULATORY TECH.		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date JUL 17 2013
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
JUL 25 2013
DIV. OF OIL, GAS & MINING

Additional Operator Remarks (see next page)

Electronic Submission #187453 verified by the BLM Well Information System
For NEWFIELD EXPLORATION COMPANY, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 01/25/2013 (13RRH6283AE)

NOTICE OF APPROVAL

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional Operator Remarks:

SURFACE LEASE: ML-22060
BOTTOM HOLE LEASE: UTU-020252

Additional Operator Remarks:

SURFACE LEASE: ML-22060
BOTTOM HOLE LEASE: UTU-020252

Revisions to Operator-Submitted EC Data for APD #187453

	Operator Submitted	BLM Revised (AFMSS)
Lease:	UTU020252	UTU020252
Agreement:	GREATER MONUMENT	UTU87538X (UTU87538X)
Operator:	NEWFIELD EXPLORATION ROUTE #3 BOX 3630 MYTON, UT 84052 Ph: 435-646-3721	NEWFIELD EXPLORATION COMPANY ROUTE 3 BOX 3630 MYTON, UT 84052 Ph: 435.646.3721 Fx: 435.646.3031
Admin Contact:	MANDIE CROZIER REGULATORY ANALYST ROUTE #3 BOX 3630 MYTON, UT 84052 Ph: 435-646-4825 Fx: 435-646-3031 Cell: 435-401-8335 E-Mail: mcrozier@newfield.com	MANDIE CROZIER REGULATORY TECH. ROUTE 3 BOX 3630 MYTON, UT 84052 Ph: 435.646.3721 Ext: 4825 Fx: 435.646.3031 E-Mail: mcrozier@newfield.com
Tech Contact:	MANDIE CROZIER REGULATORY ANALYST ROUTE #3 BOX 3630 MYTON, UT 84052	MANDIE CROZIER REGULATORY TECH. ROUTE 3 BOX 3630 MYTON, UT 84052
Well Name: Number:	GMBU 104-5-9-17	GMBU 104-5-9-17
Location: State: County: S/T/R: Surf Loc:	 UT DUCHESNE Sec 32 T8S R17E Mer SLB SWSW 483FSL 663FWL	 UT DUCHESNE Sec 32 T8S R17E Mer SLB SWSW 483FSL 663FWL
Field/Pool:	MONUMENT BUTTE	MONUMENT BUTTE
Bond:	WYB000493	WYB000493

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Newfield Exploration Company**	**Location:**	**SWSW SEC 32 T8S R17E**
Well No:	**GMBU 104-5-9-17**	**Lease No:**	**UTU020252**
API No:	**43-013-51977**	**Agreement:**	**GMBU**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

STANDARD STIPULATIONS

Green River District Reclamation Guidelines

The Operator will comply with the requirements of the ***Green River District (GRD) Reclamation Guidelines*** formalized by Green River District Instructional Memo UTG000-2011-003 on March 28, 2011. Documentation of the compliance will be as follows:

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the GRD Reclamation Guidelines have been met (30% or greater basal cover).

- Prior to beginning new surface disturbance, the operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) providing the results of the noxious weed inventory described in the GRD Reclamation Guidelines (2011). If weeds are found the report shall include 1) A GPS location recorded in North American Datum 1983; 2) species; 3) canopy cover or number of plants; 4) and size of infestation (estimate square feet or acres. Information shall be also documented in the reclamation report.

CONDITIONS OF APPROVAL

Wildlife

In accordance with the Record of Decision for the Castle Peak and Eightmile Flat Oil and Gas Expansion Project, Newfield Rocky Mountains Inc., the following COA's are required:

- WFM-1 On level or gently sloping ground (5 percent slope or less) Newfield will elevate surface pipelines (4 inches or greater in diameter) a minimum of 6 inches above the ground to allow

passage of small animals beneath the pipe. This ground clearance will be achieved by placing the pipeline on blocks at intervals of 150 to 200 feet.

- WFM-4 Newfield will install noise reduction devices on all pump jacks to reduce intermittent noise to 45 dBA at 660 feet from the source.

For protection of T&E Fish if drawing water from the Green River

- For areas of fresh water collection, an infiltration gallery will be constructed in a Service approved location. An infiltration gallery is basically a pit or trench dug within the floodplain to a depth below the water table. Water is drawn from the pit rather than from the river directly. If this is not possible, limit pumping within the river to off-channel locations that do not connect to the river during high spring flows.

- If water cannot be drawn using the measures above and the pump head will be located in the river channel where larval fish are known to occur, the following measures apply:
    - Avoid pumping from low-flow or no-flow areas as these habitats tend to concentrate larval fished
    - Avoid pumping to the greatest extent possible, during that period of the year when larval fish may be present (see previous bullet); and
    - Avoid pumping, to the greatest extent possible, during the midnight hours (10:00 p.m. to 2:00 a.m.) as larval drift studies indicate that this is a period of greatest daily activity. Dusk is the preferred pumping time, as larval drift abundance is lowest during this time.
    - Screen all pump intakes with 3/32-inch mesh material.

- Report any fish impinged on the intake screen to the FWS office (801.975.3330) and the:
  Utah Division of Wildlife Resources
  Northeastern Region
  152 East 100 North
  Vernal, UT 84078
  (435) 781-9453

Air Quality

1. All internal combustion equipment will be kept in good working order.
2. Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer. Dust suppressant such as magnesium chloride or fresh water may be used, as needed, during the drilling phase.
3. Open burning of garbage or refuse will not occur at well sites or other facilities.
4. Drill rigs will be equipped with Tier II or better diesel engines.
5. Low bleed pneumatics will be installed on separator dump valves and other controllers.
6. During completion, no venting will occur, and flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
7. Telemetry will be installed to remotely monitor and control production.

8. When feasible, two or more rigs (including drilling and completion rigs) will not be run simultaneously within 200 meters of each other. If two or more rigs must be run simultaneously within 200 meters of each other, then effective public health buffer zones out to 200 meters (m) from the nearest emission source will be implemented. Examples of an effective public health protection buffer zone include the demarcation of a public access exclusion zone by signage at intervals of every 250 feet that is visible from a distance of 125 feet during daylight hours, and a physical buffer such as active surveillance to ensure the property is not accessible by the public during drilling operations. Alternatively, the proponent may demonstrate compliance with the 1-hour NO_2 National Ambient Air Quality Standards (NAAQS) with appropriate and accepted near-field modeling. As part of this demonstration, the proponent may propose alternative mitigation that could include but is not limited to natural gas–fired drill rigs, installation of NO_X controls, time/use restrictions, and/or drill rig spacing.
9. Green completions will be used for all well completion activities where technically feasible.
10. Employ enhanced VOC emission controls with 95% control efficiency on production equipment having a potential to emit greater than 5 tons per year.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: "Greater Monument Butte Green River Development Program", Feb 16, 2012). The operator shall also comply with applicable laws and regulations; with lease terms Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the, authorized officer.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

- Date well was placed in a producing status (date of first production for which royalty will be paid).
- The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
- The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
- Unit agreement and/or participating area name and number, if applicable.
- Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Form 3160-3
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
~~MAR 28 2013~~
Jan 22, 2013
By

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. UTU020252
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA Agreement, Name and No. UTU87538X
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone	8. Lease Name and Well No. GMBU 104-5-9-17
2. Name of Operator NEWFIELD EXPLORATION COMPANY Contact: MANDIE CROZIER Email: mcrozier@newfield.com	9. API Well No. 43-013-51977
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052	3b. Phone No. (include area code) Ph: 435.646.3721 Ext: 4825 Fx: 435.646.3031
	10. Field and Pool, or Exploratory MONUMENT BUTTE
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface SWSW 483FSL 663FWL At proposed prod. zone Lot 5 182FNL 660FWL Sec 5 T9S R17E	11. Sec., T., R., M., or Blk. and Survey or Area Sec 32 T8S R17E Mer SLB SME: STATE
14. Distance in miles and direction from nearest town or post office* 12.0 MILES SE OF MYTON, UT	12. County or Parish DUCHESNE / 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 182'	16. No. of Acres in Lease 320.13 / 17. Spacing Unit dedicated to this well 10.00
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 842'	19. Proposed Depth 6298 MD 6258 TVD / 20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KB, RT, GL, etc. 5245 GL	22. Approximate date work will start 03/31/2012 / 23. Estimated duration 7 DAYS

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1. Well plat certified by a registered surveyor.
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3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) MANDIE CROZIER Ph: 435.646.3721 Ext: 4825	Date 01/21/2013
Title REGULATORY TECH.		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date JUL 17 2013
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
JUL 25 2013
DIV. OF OIL, GAS & MINING

Additional Operator Remarks (see next page)

Electronic Submission #187453 verified by the BLM Well Information System
For NEWFIELD EXPLORATION COMPANY, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 01/25/2013 (13RRH6283AE)

NOTICE OF APPROVAL

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional Operator Remarks:

SURFACE LEASE: ML-22060
BOTTOM HOLE LEASE: UTU-020252

Additional Operator Remarks:

SURFACE LEASE: ML-22060
BOTTOM HOLE LEASE: UTU-020252

Revisions to Operator-Submitted EC Data for APD #187453

	Operator Submitted	BLM Revised (AFMSS)
Lease:	UTU020252	UTU020252
Agreement:	GREATER MONUMENT	UTU87538X (UTU87538X)
Operator:	NEWFIELD EXPLORATION ROUTE #3 BOX 3630 MYTON, UT 84052 Ph: 435-646-3721	NEWFIELD EXPLORATION COMPANY ROUTE 3 BOX 3630 MYTON, UT 84052 Ph: 435.646.3721 Fx: 435.646.3031
Admin Contact:	MANDIE CROZIER REGULATORY ANALYST ROUTE #3 BOX 3630 MYTON, UT 84052 Ph: 435-646-4825 Fx: 435-646-3031 Cell: 435-401-8335 E-Mail: mcrozier@newfield.com	MANDIE CROZIER REGULATORY TECH. ROUTE 3 BOX 3630 MYTON, UT 84052 Ph: 435.646.3721 Ext: 4825 Fx: 435.646.3031 E-Mail: mcrozier@newfield.com
Tech Contact:	MANDIE CROZIER REGULATORY ANALYST ROUTE #3 BOX 3630 MYTON, UT 84052	MANDIE CROZIER REGULATORY TECH. ROUTE 3 BOX 3630 MYTON, UT 84052
Well Name: Number:	GMBU 104-5-9-17	GMBU 104-5-9-17
Location: State: County: S/T/R: Surf Loc:	 UT DUCHESNE Sec 32 T8S R17E Mer SLB SWSW 483FSL 663FWL	 UT DUCHESNE Sec 32 T8S R17E Mer SLB SWSW 483FSL 663FWL
Field/Pool:	MONUMENT BUTTE	MONUMENT BUTTE
Bond:	WYB000493	WYB000493

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Newfield Exploration Company**	**Location:**	**SWSW SEC 32 T8S R17E**
Well No:	**GMBU 104-5-9-17**	**Lease No:**	**UTU020252**
API No:	**43-013-51977**	**Agreement:**	**GMBU**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

STANDARD STIPULATIONS

Green River District Reclamation Guidelines

The Operator will comply with the requirements of the ***Green River District (GRD) Reclamation Guidelines*** formalized by Green River District Instructional Memo UTG000-2011-003 on March 28, 2011. Documentation of the compliance will be as follows:

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the GRD Reclamation Guidelines have been met (30% or greater basal cover).

- Prior to beginning new surface disturbance, the operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) providing the results of the noxious weed inventory described in the GRD Reclamation Guidelines (2011). If weeds are found the report shall include 1) A GPS location recorded in North American Datum 1983; 2) species; 3) canopy cover or number of plants; 4) and size of infestation (estimate square feet or acres. Information shall be also documented in the reclamation report.

CONDITIONS OF APPROVAL

Wildlife

In accordance with the Record of Decision for the Castle Peak and Eightmile Flat Oil and Gas Expansion Project, Newfield Rocky Mountains Inc., the following COA's are required:

- WFM-1 On level or gently sloping ground (5 percent slope or less) Newfield will elevate surface pipelines (4 inches or greater in diameter) a minimum of 6 inches above the ground to allow

passage of small animals beneath the pipe. This ground clearance will be achieved by placing the pipeline on blocks at intervals of 150 to 200 feet.

- WFM-4 Newfield will install noise reduction devices on all pump jacks to reduce intermittent noise to 45 dBA at 660 feet from the source.

For protection of T&E Fish if drawing water from the Green River

- For areas of fresh water collection, an infiltration gallery will be constructed in a Service approved location. An infiltration gallery is basically a pit or trench dug within the floodplain to a depth below the water table. Water is drawn from the pit rather than from the river directly. If this is not possible, limit pumping within the river to off-channel locations that do not connect to the river during high spring flows.

- If water cannot be drawn using the measures above and the pump head will be located in the river channel where larval fish are known to occur, the following measures apply:
    - Avoid pumping from low-flow or no-flow areas as these habitats tend to concentrate larval fished
    - Avoid pumping to the greatest extent possible, during that period of the year when larval fish may be present (see previous bullet); and
    - Avoid pumping, to the greatest extent possible, during the midnight hours (10:00 p.m. to 2:00 a.m.) as larval drift studies indicate that this is a period of greatest daily activity. Dusk is the preferred pumping time, as larval drift abundance is lowest during this time.
    - Screen all pump intakes with 3/32-inch mesh material.

- Report any fish impinged on the intake screen to the FWS office (801.975.3330) and the:
  Utah Division of Wildlife Resources
  Northeastern Region
  152 East 100 North
  Vernal, UT 84078
  (435) 781-9453

Air Quality

1. All internal combustion equipment will be kept in good working order.
2. Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer. Dust suppressant such as magnesium chloride or fresh water may be used, as needed, during the drilling phase.
3. Open burning of garbage or refuse will not occur at well sites or other facilities.
4. Drill rigs will be equipped with Tier II or better diesel engines.
5. Low bleed pneumatics will be installed on separator dump valves and other controllers.
6. During completion, no venting will occur, and flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
7. Telemetry will be installed to remotely monitor and control production.

8. When feasible, two or more rigs (including drilling and completion rigs) will not be run simultaneously within 200 meters of each other. If two or more rigs must be run simultaneously within 200 meters of each other, then effective public health buffer zones out to 200 meters (m) from the nearest emission source will be implemented. Examples of an effective public health protection buffer zone include the demarcation of a public access exclusion zone by signage at intervals of every 250 feet that is visible from a distance of 125 feet during daylight hours, and a physical buffer such as active surveillance to ensure the property is not accessible by the public during drilling operations. Alternatively, the proponent may demonstrate compliance with the 1-hour NO_2 National Ambient Air Quality Standards (NAAQS) with appropriate and accepted near-field modeling. As part of this demonstration, the proponent may propose alternative mitigation that could include but is not limited to natural gas–fired drill rigs, installation of NO_X controls, time/use restrictions, and/or drill rig spacing.
9. Green completions will be used for all well completion activities where technically feasible.
10. Employ enhanced VOC emission controls with 95% control efficiency on production equipment having a potential to emit greater than 5 tons per year.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: "Greater Monument Butte Green River Development Program", Feb 16, 2012). The operator shall also comply with applicable laws and regulations; with lease terms Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the, authorized officer.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

- Date well was placed in a producing status (date of first production for which royalty will be paid).
- The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
- The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
- Unit agreement and/or participating area name and number, if applicable.
- Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS # 2
Submitted By Jim Smith Phone Number 823-2072
Well Name/Number GMBU 104-5-9-17S
Qtr/Qtr SW/SW Section 32 Township 9S Range 17E
Lease Serial Number UTU- 020252
API Number 43-013-51977-00-X1

TD Notice – TD is the final drilling depth of hole.

Date/Time 8/15/13 2:00 AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

☐ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 8/18/13 6:00 AM ☐ PM ☐

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AUG 14 2013
DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS # 2
Submitted By Jim Smith Phone Number 435-823-2072
Well Name/Number GMBU 104-5-9-17
Qtr/Qtr SW/SW Section 32 Township 8S Range 17E
Lease Serial Number UTU- 020252
API Number 43-013-51977-00-X1

Rig Move Notice – Move drilling rig to new location.

Date/Time 8/12/13 6:00 AM ☐ PM ☐

BOPE
☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time 8/12/2013 11:00 AM ☐ PM ☐

Remarks _____

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DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-020252

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU 104-5-9-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013519770000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0483 FSL 0663 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 32 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 9/20/2013	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above well was placed on production on 09/20/2013 at 16:30 hours.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
October 08, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jennifer Peatross	435 646-4885	Production Technician
SIGNATURE N/A		**DATE** 10/7/2013

RECEIVED: Oct. 07, 2013

API Well Number: 43013519770000

SHL SW SW
PBTVD 6155'
BHL 674' FWL

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU020252

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other:

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: GMBU (GRRV)

2. Name of Operator: NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.: GMBU 104-5-9-17

3. Address: ROUTE #3 BOX 3630, MYTON, UT 84052

3a. Phone No. (include area code): Ph:435-646-3721

9. API Well No.: 43-013-51977

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface: 483' FSL 663' FWL (SE/SE) SEC 32, T8S, R17E (ML-22060)

At top prod. interval reported below: 47' FSL 655' FWL (SE/SE) SEC 32, T8S, R17E (ML-22060)

At total depth: 188' FNL 652' FWL (NW/NW) SEC 5, T9S, R17E (UTU020252)

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: Sec 32 T8S, R17E, Mer: SLB

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded: 07/25/2013

15. Date T.D. Reached: 08/19/2013

16. Date Completed: ☐ D & A ☑ Ready to Prod. 09/29/2013

17. Elevations (DF, RKB, RT, GL)*: 5245'GL 5255'KB

18. Total Depth: MD 6227' TVD 6185'

19. Plug Back T.D.: MD 6194' TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	322'		200 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6218'		260 Econocem		32'	
						460Expandacem			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@6030'	TA@5843'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4283'	5874'	4283' - 5874' MD	.34	40	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4283' - 5874' MD	Frac w/ 232090#s of 20/40 white sand in 2325 bbls of Lightning 17 fluid, in 5 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
9/20/13	9/30/13	24	→	65	1	36			2.5 X 1.75 X 20 RHAC

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

RECEIVED: Oct. 15, 2013

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GARDEN GULCH MARK	3787'
				GARDEN GULCH 1	3980'
				GARDEN GULCH 2	4092'
				POINT 3	4369'
				X MRKR	4606'
				Y MRKR	4643'
				DOUGLAS CREEK MRK	4769'
				BI CARBONATE MRK	5012'
				B LIMESTONE MRK	5144'
				CASTLE PEAK	5627'
				BASAL CARBONATE	6050'
				WASATCH	6168'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: Drilling daily activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Heather Calder Title Regulatory Technician

Signature Heather Calder Date 10/10/2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

RECEIVED: Oct. 15, 2013

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 32 T8S, R17E
104-5-9-17
Wellbore #1

Design: Actual

End of Well Report

19 August, 2013

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 104-5-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Site:	SECTION 32 T8S, R17E	**MD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Well:	104-5-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site SECTION 32 T8S, R17E, SEC 32 T8S, R17E

Site Position:		**Northing:**	7,197,024.42 ft	**Latitude:**	40° 4' 6.630 N
From:	Lat/Long	**Easting:**	2,049,704.59 ft	**Longitude:**	110° 2' 14.800 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.94 °

Well 104-5-9-17, SHL LAT: 40 04 06.47 LONG: -110 02 14.95

Well Position	**+N/-S**	0.0 ft	**Northing:**	7,197,008.03 ft	**Latitude:**	40° 4' 6.470 N
	+E/-W	0.0 ft	**Easting:**	2,049,693.19 ft	**Longitude:**	110° 2' 14.950 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,255.0 ft	**Ground Level:**	5,245.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/8/2012	11.13	65.78	52,150

Design Actual

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	179.10

Survey Program **Date** 8/19/2013

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
377.0	6,227.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 104-5-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Site:	SECTION 32 T8S, R17E	**MD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Well:	104-5-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
377.0	0.60	207.90	377.0	1.7	-1.7	-0.9	0.16	0.16	0.00
407.0	0.40	176.20	407.0	2.0	-2.0	-1.0	1.11	-0.67	-105.67
437.0	0.60	217.70	437.0	2.2	-2.2	-1.1	1.34	0.67	138.33
468.0	0.40	251.70	468.0	2.4	-2.4	-1.3	1.13	-0.65	109.68
498.0	0.20	172.30	498.0	2.4	-2.5	-1.4	1.38	-0.67	-264.67
528.0	0.40	246.30	528.0	2.5	-2.6	-1.5	1.32	0.67	246.67
559.0	0.80	220.30	559.0	2.7	-2.8	-1.7	1.53	1.29	-83.87
588.0	0.80	196.10	588.0	3.1	-3.1	-1.9	1.16	0.00	-83.45
618.0	1.20	192.10	618.0	3.6	-3.6	-2.0	1.35	1.33	-13.33
648.0	1.70	193.60	648.0	4.3	-4.4	-2.2	1.67	1.67	5.00
679.0	1.80	189.00	679.0	5.3	-5.3	-2.4	0.56	0.32	-14.84
709.0	2.00	189.00	708.9	6.2	-6.3	-2.5	0.67	0.67	0.00
739.0	1.80	180.60	738.9	7.2	-7.3	-2.6	1.14	-0.67	-28.00
770.0	2.20	184.80	769.9	8.3	-8.3	-2.7	1.37	1.29	13.55
800.0	2.50	175.70	799.9	9.5	-9.6	-2.7	1.59	1.00	-30.33
830.0	3.30	185.90	829.8	11.0	-11.1	-2.7	3.16	2.67	34.00
861.0	3.40	182.30	860.8	12.8	-12.9	-2.8	0.75	0.32	-11.61
891.0	4.00	176.30	890.7	14.8	-14.8	-2.8	2.38	2.00	-20.00
922.0	4.70	176.20	921.6	17.1	-17.2	-2.6	2.26	2.26	-0.32
952.0	5.10	184.60	951.5	19.7	-19.7	-2.7	2.73	1.33	28.00
982.0	5.60	178.60	981.4	22.5	-22.5	-2.7	2.50	1.67	-20.00
1,013.0	6.40	184.30	1,012.2	25.7	-25.7	-2.8	3.21	2.58	18.39
1,057.0	7.30	178.90	1,055.9	30.9	-31.0	-3.0	2.51	2.05	-12.27
1,100.0	7.90	185.10	1,098.5	36.6	-36.7	-3.2	2.36	1.40	14.42
1,144.0	8.10	184.70	1,142.1	42.7	-42.8	-3.7	0.47	0.45	-0.91
1,188.0	8.60	180.30	1,185.6	49.1	-49.1	-4.0	1.84	1.14	-10.00

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 104-5-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Site:	SECTION 32 T8S, R17E	**MD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Well:	104-5-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
1,232.0	8.50	179.30	1,229.2	55.6	-55.7	-3.9	0.41	-0.23	-2.27
1,276.0	8.70	184.20	1,272.7	62.2	-62.3	-4.2	1.73	0.45	11.14
1,319.0	8.70	179.80	1,315.2	68.7	-68.8	-4.4	1.55	0.00	-10.23
1,363.0	8.60	177.30	1,358.7	75.3	-75.4	-4.2	0.88	-0.23	-5.68
1,407.0	8.30	180.80	1,402.2	81.8	-81.8	-4.1	1.35	-0.68	7.95
1,451.0	8.70	180.20	1,445.7	88.3	-88.3	-4.2	0.93	0.91	-1.36
1,494.0	8.70	175.10	1,488.2	94.7	-94.8	-3.9	1.79	0.00	-11.86
1,538.0	8.30	173.50	1,531.7	101.2	-101.3	-3.2	1.06	-0.91	-3.64
1,582.0	8.15	175.40	1,575.3	107.5	-107.6	-2.6	0.71	-0.34	4.32
1,626.0	8.75	172.00	1,618.8	113.9	-114.0	-1.9	1.77	1.36	-7.73
1,670.0	8.80	171.20	1,662.3	120.6	-120.6	-0.9	0.30	0.11	-1.82
1,714.0	8.70	169.40	1,705.8	127.2	-127.2	0.2	0.66	-0.23	-4.09
1,757.0	8.40	172.80	1,748.3	133.5	-133.5	1.2	1.37	-0.70	7.91
1,801.0	8.10	168.00	1,791.8	139.8	-139.8	2.2	1.71	-0.68	-10.91
1,845.0	7.45	170.40	1,835.4	145.6	-145.6	3.3	1.65	-1.48	5.45
1,889.0	7.30	173.00	1,879.1	151.2	-151.2	4.2	0.83	-0.34	5.91
1,933.0	7.00	174.70	1,922.7	156.7	-156.6	4.8	0.83	-0.68	3.86
1,976.0	6.90	173.45	1,965.4	161.9	-161.8	5.3	0.42	-0.23	-2.91
2,020.0	7.40	177.05	2,009.1	167.3	-167.3	5.7	1.53	1.14	8.18
2,064.0	7.16	173.70	2,052.7	172.9	-172.8	6.2	1.11	-0.55	-7.61
2,108.0	6.80	180.10	2,096.4	178.2	-178.1	6.5	1.95	-0.82	14.55
2,152.0	6.80	182.60	2,140.1	183.4	-183.4	6.4	0.67	0.00	5.68
2,195.0	6.50	177.40	2,182.8	188.4	-188.3	6.3	1.56	-0.70	-12.09
2,239.0	6.70	183.10	2,226.5	193.5	-193.4	6.3	1.56	0.45	12.95
2,283.0	6.50	178.50	2,270.2	198.5	-198.4	6.3	1.28	-0.45	-10.45
2,327.0	6.70	184.20	2,313.9	203.5	-203.5	6.1	1.56	0.45	12.95
2,371.0	6.60	178.80	2,357.6	208.6	-208.6	6.0	1.44	-0.23	-12.27

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 104-5-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Site:	SECTION 32 T8S, R17E	**MD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Well:	104-5-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
2,414.0	6.40	182.65	2,400.3	213.5	-213.4	5.9	1.11	-0.47	8.95
2,458.0	6.40	179.30	2,444.1	218.4	-218.3	5.8	0.85	0.00	-7.61
2,502.0	6.90	178.20	2,487.8	223.5	-223.4	6.0	1.17	1.14	-2.50
2,546.0	6.80	180.00	2,531.5	228.7	-228.7	6.0	0.54	-0.23	4.09
2,590.0	6.30	184.49	2,575.2	233.7	-233.7	5.9	1.63	-1.14	10.20
2,633.0	5.90	180.90	2,617.9	238.3	-238.2	5.6	1.29	-0.93	-8.35
2,677.0	5.70	180.60	2,661.7	242.8	-242.7	5.6	0.46	-0.45	-0.68
2,721.0	6.45	185.00	2,705.5	247.4	-247.3	5.3	2.01	1.70	10.00
2,764.0	6.70	179.55	2,748.2	252.3	-252.3	5.2	1.56	0.58	-12.67
2,808.0	7.10	184.60	2,791.9	257.6	-257.5	5.0	1.65	0.91	11.48
2,852.0	6.40	182.20	2,835.5	262.7	-262.7	4.6	1.71	-1.59	-5.45
2,896.0	6.30	186.40	2,879.3	267.6	-267.5	4.3	1.08	-0.23	9.55
2,939.0	6.30	181.20	2,922.0	272.3	-272.2	4.0	1.33	0.00	-12.09
2,983.0	6.90	183.80	2,965.7	277.3	-277.3	3.7	1.52	1.36	5.91
3,027.0	7.40	180.00	3,009.4	282.8	-282.8	3.6	1.56	1.14	-8.64
3,071.0	7.50	177.50	3,053.0	288.5	-288.5	3.7	0.77	0.23	-5.68
3,115.0	7.40	180.60	3,096.6	294.2	-294.2	3.8	0.94	-0.23	7.05
3,159.0	7.40	179.10	3,140.3	299.9	-299.8	3.8	0.44	0.00	-3.41
3,203.0	7.20	177.80	3,183.9	305.5	-305.4	3.9	0.59	-0.45	-2.95
3,246.0	7.50	179.60	3,226.6	311.0	-310.9	4.1	0.88	0.70	4.19
3,290.0	8.00	183.20	3,270.2	316.9	-316.9	3.9	1.58	1.14	8.18
3,334.0	7.80	184.40	3,313.7	322.9	-322.9	3.5	0.59	-0.45	2.73
3,378.0	7.70	180.10	3,357.3	328.8	-328.8	3.3	1.34	-0.23	-9.77
3,422.0	7.00	179.00	3,401.0	334.5	-334.4	3.3	1.62	-1.59	-2.50
3,465.0	7.50	183.40	3,443.6	339.9	-339.9	3.2	1.74	1.16	10.23
3,509.0	7.00	177.70	3,487.3	345.4	-345.4	3.1	1.99	-1.14	-12.95
3,553.0	7.50	180.80	3,530.9	351.0	-351.0	3.2	1.44	1.14	7.05

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 104-5-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Site:	SECTION 32 T8S, R17E	**MD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Well:	104-5-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
3,597.0	7.60	178.60	3,574.6	356.7	-356.7	3.2	0.70	0.23	-5.00
3,641.0	7.30	180.00	3,618.2	362.5	-362.4	3.3	0.80	-0.68	3.18
3,684.0	6.90	180.50	3,660.9	367.8	-367.8	3.3	0.94	-0.93	1.16
3,728.0	6.00	177.00	3,704.6	372.7	-372.7	3.4	2.23	-2.05	-7.95
3,772.0	6.10	175.10	3,748.3	377.3	-377.3	3.7	0.51	0.23	-4.32
3,816.0	6.20	177.60	3,792.1	382.0	-382.0	4.0	0.65	0.23	5.68
3,860.0	6.40	174.60	3,835.8	386.9	-386.8	4.3	0.88	0.45	-6.82
3,904.0	5.90	171.90	3,879.6	391.6	-391.5	4.9	1.31	-1.14	-6.14
3,948.0	6.20	172.80	3,923.3	396.2	-396.1	5.5	0.72	0.68	2.05
3,992.0	5.90	172.20	3,967.1	400.8	-400.7	6.1	0.70	-0.68	-1.36
4,036.0	6.00	175.00	4,010.8	405.3	-405.2	6.6	0.70	0.23	6.36
4,079.0	6.60	179.90	4,053.6	410.0	-410.0	6.8	1.87	1.40	11.40
4,123.0	6.40	176.30	4,097.3	415.0	-414.9	7.0	1.03	-0.45	-8.18
4,167.0	6.30	176.70	4,141.0	419.9	-419.8	7.3	0.25	-0.23	0.91
4,211.0	6.90	181.90	4,184.7	424.9	-424.8	7.3	1.92	1.36	11.82
4,255.0	7.00	177.20	4,228.4	430.2	-430.2	7.4	1.31	0.23	-10.68
4,299.0	7.30	176.50	4,272.1	435.7	-435.6	7.7	0.71	0.68	-1.59
4,342.0	7.40	177.50	4,314.7	441.2	-441.1	8.0	0.38	0.23	2.33
4,386.0	7.00	177.30	4,358.4	446.7	-446.6	8.2	0.91	-0.91	-0.45
4,430.0	6.90	178.80	4,402.0	452.0	-452.0	8.4	0.47	-0.23	3.41
4,474.0	6.50	182.40	4,445.7	457.2	-457.1	8.3	1.32	-0.91	8.18
4,517.0	6.60	178.20	4,488.5	462.1	-462.0	8.3	1.14	0.23	-9.77
4,561.0	6.30	183.70	4,532.2	467.0	-466.9	8.2	1.56	-0.68	12.50
4,605.0	6.50	186.00	4,575.9	471.9	-471.8	7.8	0.74	0.45	5.23
4,649.0	6.30	186.00	4,619.6	476.7	-476.7	7.3	0.45	-0.45	0.00
4,693.0	6.80	187.90	4,663.3	481.7	-481.7	6.7	1.24	1.14	4.32
4,736.0	7.50	183.00	4,706.0	487.0	-487.0	6.2	2.16	1.63	-11.40

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 104-5-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Site:	SECTION 32 T8S, R17E	**MD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Well:	104-5-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
4,780.0	6.90	188.10	4,749.7	492.5	-492.5	5.7	1.99	-1.36	11.59
4,824.0	7.70	185.30	4,793.3	498.0	-498.0	5.0	1.99	1.82	-6.36
4,868.0	7.50	185.80	4,836.9	503.8	-503.8	4.5	0.48	-0.45	1.14
4,911.0	7.10	189.40	4,879.6	509.2	-509.2	3.8	1.41	-0.93	8.37
4,955.0	7.10	183.30	4,923.2	514.6	-514.6	3.2	1.71	0.00	-13.86
4,999.0	6.90	180.90	4,966.9	520.0	-520.0	3.0	0.81	-0.45	-5.45
5,005.5	6.88	181.41	4,973.4	520.8	-520.8	2.9	0.98	-0.25	7.85
104-5-9-17 TGT									
5,043.0	6.80	184.40	5,010.6	525.2	-525.2	2.7	0.98	-0.22	7.97
5,087.0	6.40	182.00	5,054.3	530.2	-530.3	2.4	1.10	-0.91	-5.45
5,131.0	6.40	182.80	5,098.0	535.1	-535.2	2.2	0.20	0.00	1.82
5,174.0	5.50	181.90	5,140.8	539.6	-539.6	2.0	2.10	-2.09	-2.09
5,218.0	5.20	187.20	5,184.6	543.7	-543.7	1.7	1.31	-0.68	12.05
5,262.0	5.50	184.70	5,228.4	547.7	-547.8	1.3	0.86	0.68	-5.68
5,307.0	5.90	183.50	5,273.2	552.2	-552.3	1.0	0.93	0.89	-2.67
5,352.0	6.20	183.20	5,317.9	556.9	-557.0	0.7	0.67	0.67	-0.67
5,393.0	6.90	181.90	5,358.7	561.6	-561.7	0.5	1.75	1.71	-3.17
5,437.0	8.00	175.40	5,402.3	567.3	-567.4	0.7	3.15	2.50	-14.77
5,481.0	9.10	175.00	5,445.8	573.8	-573.9	1.2	2.50	2.50	-0.91
5,525.0	10.10	172.20	5,489.2	581.1	-581.2	2.0	2.51	2.27	-6.36
5,569.0	10.10	172.30	5,532.5	588.8	-588.8	3.1	0.04	0.00	0.23
5,613.0	8.95	172.50	5,575.9	596.0	-596.0	4.0	2.61	-2.61	0.45
5,656.0	9.00	174.40	5,618.4	602.7	-602.7	4.8	0.70	0.12	4.42
5,700.0	8.75	175.70	5,661.9	609.5	-609.4	5.4	0.73	-0.57	2.95
5,744.0	8.10	175.10	5,705.4	615.9	-615.9	5.9	1.49	-1.48	-1.36
5,788.0	7.87	174.70	5,749.0	622.0	-622.0	6.4	0.54	-0.52	-0.91
5,831.0	7.70	173.20	5,791.6	627.8	-627.8	7.1	0.62	-0.40	-3.49

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 104-5-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Site:	SECTION 32 T8S, R17E	**MD Reference:**	104-5-9-17 @ 5255.0ft (NDSI SS #2)
Well:	104-5-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
5,875.0	7.20	174.90	5,835.2	633.5	-633.4	7.7	1.24	-1.14	3.86
5,919.0	7.40	175.20	5,878.8	639.0	-639.0	8.1	0.46	0.45	0.68
5,963.0	6.55	176.00	5,922.5	644.4	-644.3	8.6	1.94	-1.93	1.82
6,007.0	6.60	178.40	5,966.2	649.4	-649.4	8.8	0.63	0.11	5.45
6,050.0	6.20	176.10	6,008.9	654.2	-654.1	9.0	1.10	-0.93	-5.35
6,094.0	6.00	177.20	6,052.7	658.9	-658.8	9.3	0.53	-0.45	2.50
6,138.0	5.60	177.20	6,096.5	663.3	-663.3	9.5	0.91	-0.91	0.00
6,178.0	4.92	171.20	6,136.3	667.0	-666.9	9.9	2.18	-1.70	-15.00
6,227.0	4.92	171.20	6,185.1	671.1	-671.0	10.5	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

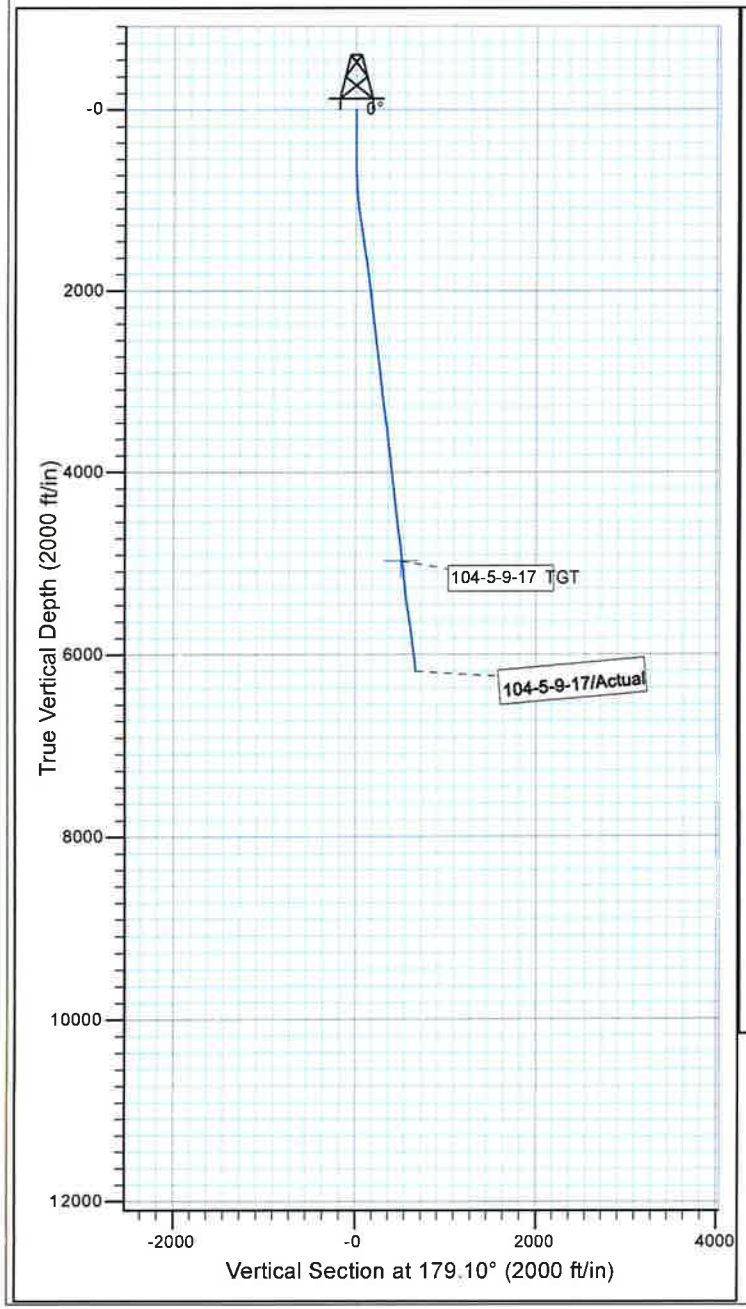
NEWFIELD

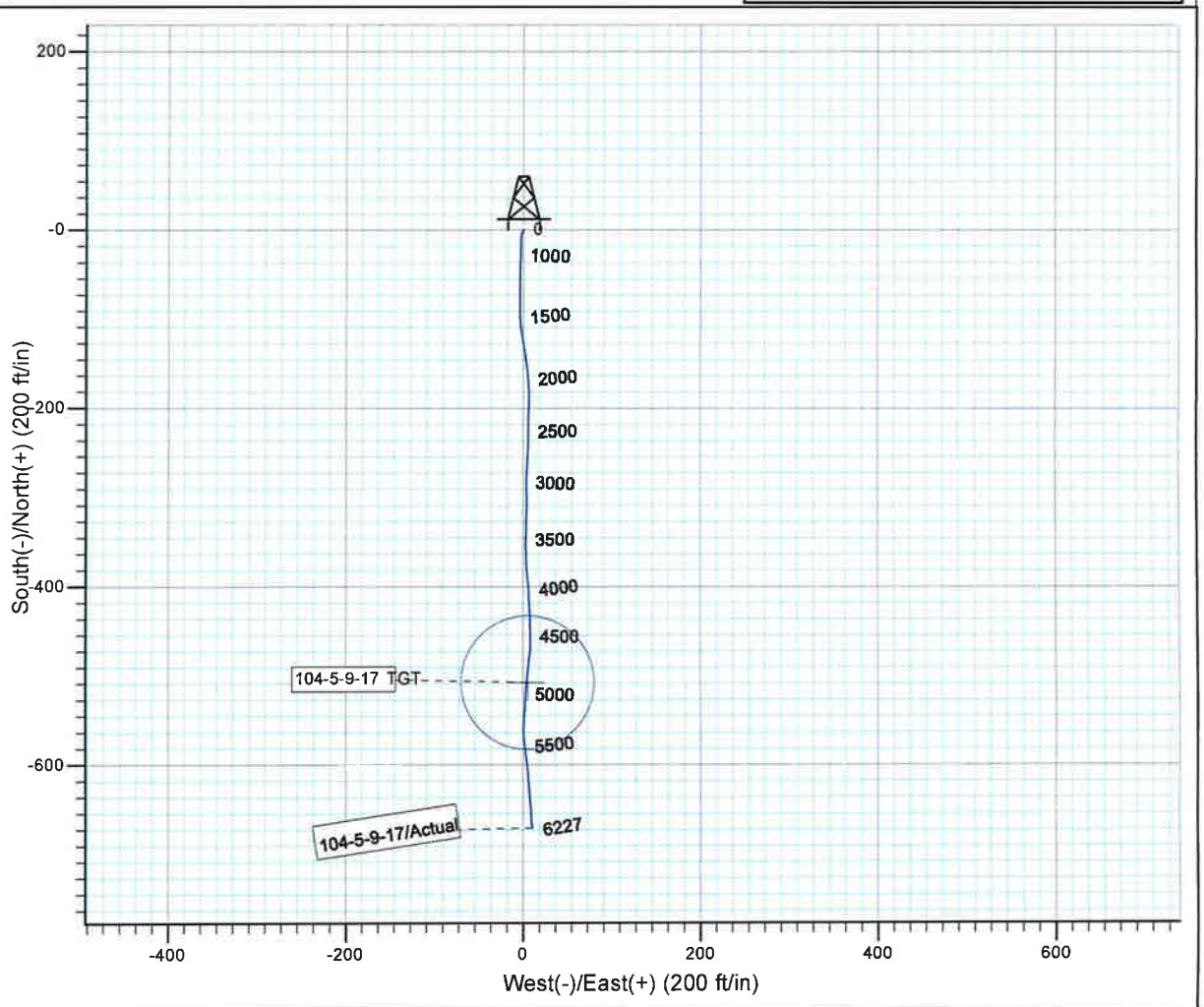
Project: USGS Myton SW (UT)
Site: SECTION 32 T8S, R17E
Well: 104-5-9-17
Wellbore: Wellbore #1
Design: Actual

T M

Azimuths to True North
Magnetic North: 11.13°

Magnetic Field
Strength: 52150.4snT
Dip Angle: 65.78°
Date: 11/8/2012
Model: IGRF2010





PAYZONE

Design: Actual (104-5-9-17/Wellbore #1)

Created By: Sarah Webb Date: 11:42, August 19 2013

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA

API Well Number: 43013519770000

RECEIVED: Oct. 15, 2013

NEWFIELD

Summary Rig Activity

Well Name: GMBU 104-5-9-17

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
9/9/2013	9/9/2013	Run CBL. Test casing, blinds, and Frac Valve. Perforate.

Start Time	End Time	Comment
00:00	07:00	SDFN.
07:00	09:00	RU Perforators. RIH Run CBL From 6142' to Surface. Cement Top @ 32'
09:00	11:00	RU S&S Press tester Press test Csg. Csg Valves, Blind Ram, & Frac Valve Low 300 psi High 4300 psi
11:00	12:30	RU Perforators RIH Perforate CP-4 Sand @ 5861--64', 5850-51', 5840431', W/ 3-1/8 Csg Guns 2SPF (16 shots)
12:30	00:00	SDFN.

Report Start Date	Report End Date	24hr Activity Summary
9/10/2013	9/10/2013	Frac Stage 1,2,3,4,

Start Time	End Time	Comment
00:00	07:00	SDFN.
07:00	07:30	Stage#1Frac CP sds (16 holes) W/ 45,060# 20/40 white Sand @ 3167 max psi 2273 avg psi. 34.5 max BPM, 33.4 avg BPM. ISIP 1825 psi. FG.77 519 total bbls pumped
07:30	09:00	Stage #2 RIH Set CFT Plug @ 5380' peforate the A-3 formation @ 5302-04', 5289-90', A-1 @ 5257-59', W/ 3-1/8" Csg guns 3SPF (15 Holes)
09:00	09:30	Stage#2 Frac A sds W/ 39,880# 20/40 White Sand @ 2886 max psi, 2435 avg psi. 30.1 max BPM, 28.4 avg BPM. ISIP 2002 psi FG.83. 442 total bbls pumped
09:30	11:30	Stage#3 RIH Set CFT Plug @ 5190' peforate the B-2 formation @ 5111-15', C-Sand @ 4967-68', 4960-61', W/ 3 -1/8" Csg guns 3SPF (18 Holes)
11:30	12:00	Stage#3 Frac B-2 & C-Sands W/ 50,500# 20/40 White Sand @ 2824 max psi, 2352 avg psi. 36.5 max BPM, 36.2 avg BPM. ISIP 2063 psi FG.86. 564 total bbls pumped
12:00	13:00	Stage #4 RIH Set CFT Plug @ 4910' peforate the D-2 formation @ 4858-59', ', D-1 @ 4797-80', 4960-61', W/ 3-1/8" Csg guns 2SPF (14 Holes)
13:00	13:30	Stage#4 Frac D sds W/ 40,080# 20/40 White Sand @ 2691 max psi, 2336 avg psi. 30.2 max BPM, 29.6 avg BPM. ISIP 2262 psi FG.92. 467 total bbls pumped
13:30	14:30	Stage #5 RIH Set CFT Plug @ 4420' peforate the GB-6 formation @ 4342-43', 4339-40', 4331-33', 4320-22', GB-4 @ 4282-83', 4278-79', 4273-74', W/ 3-1/8" Csg guns 2SPF (18 Holes)
14:30	00:00	SDFN.

Report Start Date	Report End Date	24hr Activity Summary
9/11/2013	9/11/2013	Finish frac Flow Back Well. Set kill Plug

Start Time	End Time	Comment
00:00	07:00	SDFN.
07:00	07:30	Stage#5 Frac GB- sds W/ 70,010# 20/40 White Sand @ 2863 max psi, 2270 avg psi. 37.2 max BPM, 35.7 avg BPM. ISIP 1915 psi FG.90. 618 total bbls pumped

NEWFIELD

Summary Rig Activity

Well Name: GMBU 104-5-9-17

Start Time	End Time	Comment
07:30	09:30	SICP 1100 psi open well to pit on 32/64 choke flow back 360 bbls. turned to oil CWI
09:30	10:30	RU Perforator RIH W/ CBP Set CBP @ 4160' POOH W/ WL CWI
10:30	00:00	SDFN.

Report Start Date	Report End Date	24hr Activity Summary
9/12/2013	9/12/2013	Set KP @4160', N/U & PT BOP

Start Time	End Time	Comment
00:00	07:00	SDFN.
07:00	10:00	R/U Extreme, W/L RIH set KP @ 4160' POOH L/D setting tool preform 30 min. neg. test (good) R/D W/L
10:00	15:00	N/D 5k FMC FV, N/U 5k double 2-7/8 BOPE R/U S&S testers PT all components 250-300 low for 5min. & 4300 high for 10 min. (all tests good) SWI wait for completion rig
15:00	00:00	SDFN.

Report Start Date	Report End Date	24hr Activity Summary
9/13/2013	9/13/2013	P/U RIH w/ BRS, tag & D/O kp and 1 flow through

Start Time	End Time	Comment
00:00	07:00	SDFN.
07:00	08:00	R/D SWIVEL AND POOH WITH 18 JTS OF 2 7/8 J-55 TBG EUE 8 RD TBG,TO PULL ABOVE TOP PERF,TOP PERF @4273,EOT @ 3873,400 FT ABOVE THE TOP PERF
08:00	10:30	TAG KILL PLUG @ 4160 FT, DRILL OUT PLUG GAINED 400# , CIRC. 80 BBLS 7% KCL P/U 8 JTS W/ SWIVEL AND TAG PLUG @ 4,420 DRILL OUT PLUG,GAINED 200# D/O IN 25 MIN. CIRCULATE WELL CLEAN W/100 BBLS OF 7% KCL
10:30	11:30	CLEAN OUT FILL FROM 3813,TO 4160,347 FT TAG PLUG AND CIRCULATE CLEAN & BEGIN TO D/O
11:30	11:48	R/U Graco pwr swvl
11:48	15:48	P/U CHOMP BIT,PUMP OFF BIT SUB,1 JT OF J-55 2 7/8 8 RD EUE TBG,X NIPPLE,120 JTS OF 2 7/8 J-55 TBG,TAG FILL ON TOP OF PLUG AT 3813,347 FT OF FILL
15:48	18:48	R/U MUD PUMP PREP AND TALLY TBG AND GET EVERY THING READY FOR DRILL OUT WHILE WAITING ON PUMP OFF BIT SUB AND 2.321 X NIPPLE
18:48	00:03	SDFN.

Report Start Date	Report End Date	24hr Activity Summary
9/16/2013	9/16/2013	Cont. to D/O CBP's C/O to PBTD @ 6194' well is flowing Pooh above perfs and flow overnight recovered 150 bbls oil & 30 bbls wtr.

Start Time	End Time	Comment
00:00	07:00	SDFN.

NEWFIELD

Summary Rig Activity

Well Name: GMBU 104-5-9-17

Start Time	End Time	Comment
07:00	09:00	CHECK PSI CSG-500 TBG-SLIGHT FLOW, OPEN UP & BLEED WELL TO FRAC TANK, PUMP 10 BW DOWN TBG TO CLEAR BIT, RIH w/ 18-JNTS TBG FROM DERRICK, P.U. 15-JNTS & TAG 3rd CFP @ 4910' (No Fill)
09:00	14:00	R.U. POWER SWIVEL, MAKE UP HOBBLES ON PUMP LINES, DRILL UP 3rd CFP (21 Min) SWIVEL DOWN, TAG 2nd CFP @ 5190' DRILL UP (19 Min) SWIVEL DOWN, TAG FILL @ 5330' (50' of Fill) CLEAN OUT TO 1st CFP @ 5380' DRILL UP (23 Min) R.D. SWIVEL, P.U. & RIH w/ TBG, TAG FILL @ 6091' (93' of Fill) CLEAN OUT TO PBTD @ 6194'
14:00	15:00	CIRC WELL w/ 140 BW 7% KCL UNTIL RETURNS WERE CLEAN, R.D. SWIVEL, L.D. 8-JNTS TBG
15:00	16:00	CSG WOULDN'T DIE, FLOWED 35 BBLS OIL TO Z-TANK
16:00	17:30	L.D. 51-JNTS 2 7/8" J-55 TBG, EOT @ 4222', STRIP ON & LAND TBG ON HANGER
17:30	18:00	FILL TREATER w/ H20
18:00	00:00	SDFN.

Report Start Date	Report End Date	24hr Activity Summary
9/17/2013	9/17/2013	Kill well POOH w/ D/O BHA, RIH w/ Prod. BHA (de-sander) N/D BOPE N/U wellhead P/U RIH w/ pump and btm 7/8 & 3/4" rods P/U polish rod SWIFN

Start Time	End Time	Comment
00:00	07:00	SDFN.
07:00	08:30	Travel time / JSP MEETING - P.U. RODS
08:30	10:30	CHECK PSI CSG 125 ON A 26 CHOKE, CIRC 100 BW TO KILL WELL
10:30	12:00	STRIP TBG HANGER OUT, POOH w/ 132-JNTS 2 7/8" J-55 TBG, "X" NIPPLE, 1-JNT TBG, POBS & BIT
12:00	14:30	M.U. & RIH w/ PURGE VALVE, 3-JNTS TBG, DESANDER, 4' PUP JNT, 1-JNT T BG, S/N, 1-JNT TBG, T/A, 128-JNTS TBG, P.U. 56-JNTS 2 7/8" J-55 TBG, 4' PUP, TBG HANGER, SET T/A FROM FLOOR, LAND HANGER
14:30	15:30	R.D. TONGS & HANDRAILS, R.U. FLOOR, N.D. DOUBLE 2 7/8" PIPE RAMS, N.D. BLIND RAM
15:30	17:00	REVERSE CIRC WELL w/ 135 BW, BLEED TBG & CSG OFF
17:00	18:30	PULL TBG HANGER & 4' PUP JNT, INSTALL RODUCTION HANGER LAND TBG, N.U. WELL HEAD, X-OVER TO ROD EQUIP

NEWFIELD

Summary Rig Activity

Well Name: GMBU 104-5-9-17

Start Time	End Time	Comment
18:30	21:00	FINISH PREP RODS, M.U. & RIH w/ 2 1/2" x 1 3/4" x 24' RHAC w/ GROOVED PLUNGER, 30-7/8" 8per, 131-3/4" 4per, P.U. POLISH ROD & SWI, CLEAN UP, S.D.F.N.
21:00	00:00	SDFN.

Report Start Date	Report End Date	24hr Activity Summary
9/18/2013	9/19/2013	Cont. in hole w/ rods R/U NOV hyd pumping unit PWOP

Start Time	End Time	Comment
00:00	05:30	SDFN.
05:30	07:00	Travel
07:00	09:00	BLEED WELL OFF TBG & CSG 450 PSI, CONT RIH w/ RODS AS DETAILED IN REPORT, SEAT PUMP, SPACE OUT, HANG POLISH ROD
09:00	12:00	R.U. HYDRAULIC PUMPING UNIT, ADD 18' POLISH ROD, HANG OFF, PREP TO RIG DOWN
12:00	12:30	DROP LINES, RIG DOWN, WRAP LINE, PULL AHEAD
12:30	00:00	SDFN.